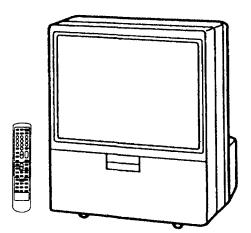
KP-46S55/53S55 RM-Y125

SERVICE MANUAL



US Model

KP-46S55

Chassis No. SCC-F19T-A

KP-53S55

Chassis No. SCC-F19U-A

Canadian Model

KP-46S55

Chassis No. SCC-F23H-A

KP-53S55

Chassis No. SCC-F23J-A

AP CHASSIS

MODELS OF TH	E SAME SERIES
KP-46S55/53S55	KP-46XBR25/53XBR25/61XBR28
KP-46V15/46V16	KP-46XBR35/53XBR35/61XBR38
KP-53V15/53V16/61V15	KP-41EXR96

SPECIFICATIONS

Projection system 3 picture tubes, 3 lenses, horizontal in

-line system

Picture tube 7 inch high-brightness monochrome

> tubes (5.5 raster size), with optical coupling and liquid cooling system

Projection lenses High performance, large-diameter

hybrid lens F1 0

KP-46S55: Screen size

46 inches (measured diagonally)

KP-53S55:

53 inches (measured diagonally)

KP-46S55: 1,600 cd/m Screen brightness

KP-53S55: 1,250 cd/m²

Television system American TV standards

VHF: 2-13 Channel coverage

UHF: 14-69

CATV: 1-125

75-ohm external antenna terminal Antenna

for VHF/UHF

Inputs/output VIDEO IN 1

S VIDEO IN (4-pin mini DIN):

Y: 1 Vp-p, 75-ohms unbalanced, sync negative

C: 0.286 Vp-p (Burst signal), 75-ohms

VIDEO (phono jack):

1 Vp-p, 75-ohms unbalanced, sync negative

AUDIO (phono jacks):

500 m V rms (100% modulation)

Impedance: 47 kilo-ohms

VIDEO IN 2 and 3

VIDEO (phono jacks):

1 Vp-p, 75-ohms unbalanced, sync negative

AUDIO (phono jacks):

500 m V rms (100% modulation)

Impedance: 47 kilo-ohms

AUDIO OUT (phono jacks):

900 m V rms (100% modulation)

Impedance: 5 kilo-ohms

- Continued on next page -







Speaker

Full range speaker

160 mm (6.3 inches) diameter

Speaker output Power requirements Power consumption 10W×2 120 V, 60Hz Max. 310 W

Average: 255 W Standby mode: 7 W

Dimensions (W/H/D)

KP-46S55:

 $1,029 \times 1,287 \times 535 \text{ mm}$ ($40_{5/8} \times 50_{3/4} \times 21_{1/8} \text{ inches}$)

KP-53S55:

 $1,164 \times 1,336 \times 644$ mm ($45_{7/8} \times 52_{5/8} \times 25_{3/8}$ inches)

Mass

Supplied accessories

KP-46S55: 90 kg (198 lbs 7 oz) KP-53S55: 92 kg (202 lbs 7 oz) Remote commander RM-Y125 (1)

Size AA (R6) battery (1)

Optional accessories U/V mixer EAC-66

Connecting cables RK-74A, VMC-810S/

820S, YC-15V/30V, VMC-720M

VCR tray SU-PJT1

Design and specifications are subject to change without notice.

(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK A ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED INTHIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

(ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURTCIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE.

LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS ÁLA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MAPQUE À SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES CONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SAFETY CHECK-OUT

(US model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

- 1. Check the area of your repair for unsoldered or poorly-soldered connections Check the entire board surface for solder splashes and bridges.
- 2 Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors
- 3 Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced Be absolutely certain that you have replaced all the insulators
- 4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement
- 5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
- 6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
- 7 Check the condition of the monopole antenna (if any). Make sure the end is not broken off, and has the plastic cap on it Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement
- 8. Check the B+ and HV to see they are at the values specified Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV
- Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage Check leakage as described below.

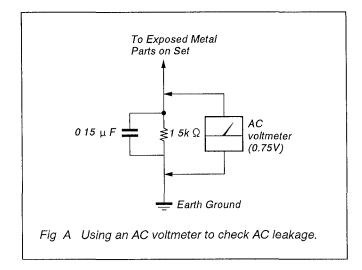
LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (500 microampers) Leakage current can be measured by any one of three methods

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- 2 A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job
- 3 Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable Nearly all battery operated digital multimeters that have a 2V AC range are suitable (See Fig A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground, the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential (See Fig. B)



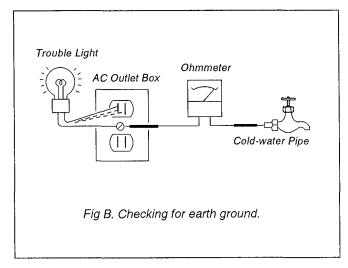


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SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remein as in the manual.

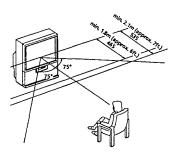
Getting Started

S

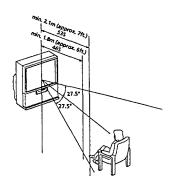
Step 1: Installing the projection TV

For the best picture quality, install the projection TV within the areas shown below.

Optimum viewing area (Horizontal)



Optimum viewing area (Vertical)

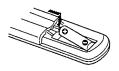


Preparing for your projection TV

Before you use your projection TV, adjust convergence. For the procedure, see "Step 4: Adjusting convergence (CONVERGENCE)" on page 10.

Step 3: Setting up the remote commander

Insert one size AA (R6) battery (supplied) by matching the + and - on the battery to the diagram inside the battery compartment.

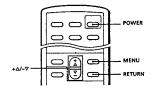


- With normal use, the battery should last for approximately six
- . If you do not use the remote commander for an extended period of time, remove the battery to avoid possible damage from battery leakage.

 Do not handle the remote commander roughly. Do not drop it,
- step on it or let it get wet.
- Do not place the remote commander in direct sunlight, near a heater, or where the humidity is high.

Step 4: Adjusting convergence (CONVERGENCE)

The projection tube image appears on the screen in three layers (red, green and blue). If they do not converge, the color is poor and the picture blurs. To correct this, adjust convergence.



1 Press POWER to turn on the projection TV. The TIMER/STAND BY indicator flashes until the picture appears.



2 Press MENU.

The main menu appears.





3 Press + △ or - ♥ to move the cursor (►) to CONVERGENCE and press RETURN. The CONVERGENCE adjustment screen appears.





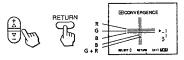
4 Press + △ or - ▽ to move the cursor (►) to the symbol showing the line you want to adjust, and press RETURN.







- 1: Red vertical line (left/right adjustment)
- Red horizontal line (up/down adjustment)
- Blue vertical line (left/nght adjustment)
 Blue horizontal line (up/down adjustment)
- 5 Press + △ or ▽ to move the line until it converges with the center green line, and press RETURN.



To move up/right, press + Δ . To move down/left, press - ∇ .

6 Repeat steps 4 and 5 to adjust the other lines until all three lines converge and are seen as a white cross.



7 Press MENU to return to the original screen.



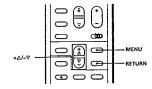
Note

G

 If more than 90 seconds elapse after you press a button, the menu disappears automatically.

Step 5: Setting cable TV on or off

If you have connected the projection TV to a cable TV system, you should set the cable connection on or off. Set CABLE to ON, the factory setting, to preset or watch cable TV channels. Set to OFF to preset or watch VHF/UHF channels.



1 Press MENU.

The main menu appears.





2 Press + △ or - ∇ to move the cursor (►) to SET UP and press RETURN. The SET UP menu appears.







3 Set CABLE to ON or OFF:

(1) Make sure the cursor (▶) is beside CABLE and press RETURN.

If the cursor is not beside CABLE, press + Δ or - ∇ to move the cursor and press RETURN.





(2) Press + △ or - ♥ to select ON or OFF.



(3) Press RETURN.



PABLE: OFF AUTO PROGRAM CH ERASE/ADO CH CAPTION VIDEO LABEL FAVORITE CHANNEL DMENU

4 Press MENU to return to the original screen.

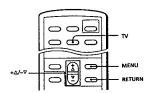


Note

 If CABLE appears in black, the projection TV is set to a video input and you cannot select CABLE. Press TV on the remote commander so that a channel number appears.



You can preset TV channels easily: first store all the receivable VHF, UHF or cable TV channels automatically following the procedure below, then erase unnecessary channels or add the channels you want.



Presetting all the receivable channels

Before you begin, set the cable TV on or off according to the channels you want to preset. (page 11)

1 Press MENU.

The main menu appears.





2 Press + △ or – ♥ to move the cursor (►) to SET UP and press RETURN.







3 Press + \triangle or $-\nabla$ to move the cursor (>) to AUTO PROGRAM and press RETURN.





"AUTO PROGRAM" appears on the screen and the projection TV starts scanning and presetting channels automatically. When all the receivable channels are stored, "AUTO PROGRAM" disappears and the lowest numbered channel is displayed.

Notes

- . If AUTO PROGRAM appears in black in the SET UP menu, the projection TV is set to a video input and you cannot select AUTO PROGRAM. Press TV on the remote commander so that a channel number appears.
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.

Erasing or adding channels

- 1 Press MENU.
- 2 Press + △ or -▽ to select SET UP and press RETURN.
- 3 Press + △ or ♥ to select CH ERASE/ADD and press RETURN.
- 4 Erase and/or add the channel you want: To erase an unwanted channel
 - (1) Make sure the cursor (▶) is beside ERASE.
 - (2) Press CH + or to select the channel you want to erase.







(3) Press RETURN.

The indication "-" appears beside the channel number, showing that the channel is erased from the preset memory.

To add a channel that you want

- (1) Press + Δ or ∇ to select ADD.
- (2) Press 0 9 button to select the channel you want to add and press ENTER.

Selected channel number



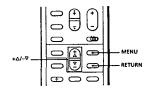


- (3) Press RETURN.
 - The indication "+" appears beside the channel number, showing that the channel is added to the preset memory.
- 5 To erase and/or add other channels, repeat
- 6 When you finish, press MENU.

 If you erase or add a VHF or UHF channel, the cable TV channel with the same number is also erased or added, and

Changing the menu language

If you prefer Spanish or French to English, you can change the menu language.



1 Press MENU.

The main menu appears.





2 Press + △ or - ♥ to move the cursor (►) to ENGLISH and press RETURN.







3 Press + △ or - ▽ to select the language and press RETURN.

The menu in selected language appears.





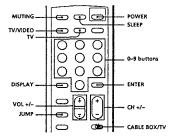


· Even when you select Spanish or French language, certain parts of the menus remain in English.

4 Press MENU to return to the original screen.

 ∞

Check that the CABLE BOX/TV selector is set to TV.



1 Press POWER to turn on the projection TV.

The TIMER/STAND BY indicator flashes until the picture appears.



If "VIDEO" appears on the screen, press TV so that a channel number appears.

2 Select the channel you want to watch: To select a channel directly

Press the 0 - 9 buttons and then press ENTER. For example, to select channel 10, press 1, 0 and ENTER.



To scan through channels

Press CH +/- until the channel you want to watch



3 Press VOL +/- to adjust the volume.





Switching quickly between two channels

Press JUMP.

The channel you watched previously appears.



Pressing JUMP again switches back the channel.

Muting the sound

Press MUTING.

"MUTING" appears on the screen.



To restore the sound, press MUTING again, or press

Displaying on-screen information

Use this feature to check the channel number, current time, channel caption (if set), and MTS mode (if SAP is selected).

Press DISPLAY.



To cancel the display, press DISPLAY again.

Setting the Sleep Timer

The projection TV stays on for the length of time you specify and then shuts off automatically.

Press SLEEP repeatedly until the time (in minutes) you want appears.

Each time you press SLEEP, the time changes as follows: $30 \rightarrow 60 \rightarrow 90 \rightarrow OFF$.



"SLEEP" appears about one munute before the projection TV shuts off.

To cancel the Sleep Timer, press SLEEP repeatedly until "SLEEP OFF" appears, or turn off the projection TV.

Watching a video input picture

Press TV/VIDEO repeatedly until the desired video input appears.

Each time you press TV/VIDEO, the display changes as follows: TV → VIDEO 1 → VIDEO 2 → VIDEO 3.



To return to TV picture, press TV.

Previewing the menu displays

Press DEMO on the front of the projection TV. Menus are displayed one by one.

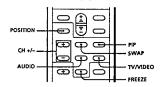


To cancel Demo function, press any button.

Watching two programs at one time - PIP

The Picture-in-Picture (PIP) feature allows you to watch both the main picture and a window picture

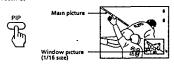
You can watch two TV channels at one time by connecting a VCR. See "Connecting an antenna/cable TV system with a VCR" (page 7) for connections.



Displaying a window picture

Input-source mode or TV channel for the main picti Press PIP. Window picture (1/9 size)

Press PIP again to display a smaller window



Each time your press PIP, the size of the window picture changes as follows: 1/9 size → 1/16 size →

To remove the window picture, press PIP repeatedly until the window picture disappears.

Notes

- . If the main picture is not receiving an image, the window picture may be in black and white.
- The window picture sound is also output from the AUDIO OUT jacks when you listen to it.

Changing the window picture input mode

Press TV/VIDEO in the PIP control area of the remote commander to select the input mode. Each time you press TV/VIDEO, "TV," "VIDEO 1," "VIDEO 2" and "VIDEO 3" appear in sequence.





Changing TV channels in the window picture

Press CH +/- in the PIP control area.





Listening to the sound of the window picture

Press AUDIO.

"" appears for a few seconds, indicating that the window picture sound is being received.





To restore the main picture sound, press AUDIO again.

Changing the position of the window picture

Press POSITION.

Each time you press POSITION, the window picture will move as illustrated.





Freezing the window picture

This feature is useful when you want to write down a recipe from a cooking program, a displayed address or a phone number and so on.

Press FREEZE.



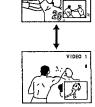


To restore the normal screen, press FREEZE again.

Swapping the main and window pictures

Each time you press SWAP, the images and sound from the main and window pictures switch places with another.

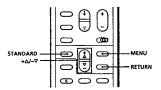




Selecting picture and sound effects

(PROGRAM PALETTE)

You can select one of four settings for picture and sound effects that best suits the program.



1 Press MENU.

2 Make sure the cursor (>) is beside PROG PALETTE and press RETURN.

If the cursor is not beside PROG PALETTE, press + △ or - V to move the cursor and press RETURN.





Effect of four items

STANDARD Standard

Picture effect

Finely detailed

picture

the remote commander

Press STANDARD.

(factory preset levels)

Vivid, bright picture

Selecting STANDARD with a button on

Reduced noise in

Sound effect

(factory preset levels)

Theatrical audio effect

Sound with a sports

stadium effect

Clear voice reproduction

Standard

Item

MOVIE

SPORTS

NEWS

3 Select the item you want. For example:

(1) To select MOVIE, press + Δ or – ∇ to move the cursor to MOVIE.





(2) Press RETURN.



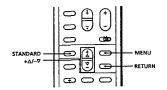
For details on each item, see "Effect of four items" in the right column.



g

Adjusting the picture (VIDEO)

When watching TV programs, you can adjust the quality of the picture to suit your taste. You can adjust the picture of video input(s) as well, and these settings are stored separately from those for the broadcast signal.



- 1 Press MENU.
- 2 Make sure the cursor (►) is beside PROG PALETTE and press RETURN.
- 3 Press + △ or ♥ to move the cursor to VIDEO and press RETURN. The VIDEO adjustment menu appears.







4 Select the item you want to adjust. For example:

(1) To adjust brightness, press + Δ or − ∇ to select BRIGHT.





(2) Press RETURN.





5 Adjust the selected item:

(1) Press + △ or - ♥ to adjust the item.





(2) Press RETURN.

The new setting appears in the VIDEO menu.





For details on each item, see "Description of adjustable items" below.

6 To adjust other items, repeat steps 4 and 5.

Description of adjustable items

Item	Press + ∆ to	Press – ∇ to
PICTURE	Increase picture contrast for vivid color	Decrease picture contrast for soft color
HUE	Make overall picture greenish	Make overall picture purplish
COLOR	Increase color intensity	Decrease color intensity
BRIGHT	Brighten the picture	Darken the picture
SHARP	Sharpen the picture	Soften the picture

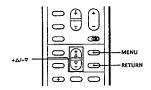
To restore the factory settings

Press STANDARD while the VIDEO menu is displayed. All the settings except for PICTURE are restored to the factory settings. You can also do this by selecting STANDARD in the

You can also do this by selecting STANDARD in to PROG PALETTE menu.

Adjusting the color temperature (TRINITONE)

The TRINITONE feature controls the color temperature, permitting white balance preference adjustment without affecting skin tones.



- 1 Press MENU.
- 2 Make sure the cursor (►) is beside PROG PALETTE, and press RETURN.
- 3 Press + △ or ▽ to select VIDEO and press
- 4 Press + △ or -- ▽ to select TRINITONE and press RETURN.







5 Press + △ or - ∇ to select LOW or HIGH and press RETURN.



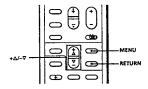




Choose	То
LOW	Make the white color reddish.
HIGH	Make the white color bluish.

Reducing picture noise (NR)

You can reduce picture noise when NR is set to ON.



- 1 Press MENU.
- 2 Make sure the cursor (►) is beside PROG PALETTE, and press RETURN.
- 3 Press + △ or ∀ to select VIDEO and press RETURN.
- 4 Press + △ or ▽ to select NR and press RETURN.







5 Press + △ or - ▽ to select ON and press RETURN.



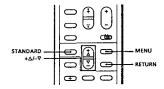




Operations | 19

Adjusting sound (AUDIO)

You can adjust the quality of the TV sound to suit your taste. You can adjust the sound of video input(s) as well, and these settings are stored separately from those for the broadcast signal.



- 1 Press MENU.
- 2 Make sure the cursor (►) is beside PROG PALETTE, and press RETURN.
- 3 Press + △ or ♥ to select AUDIO and press RETURN.







- 4 Select the item you want to adjust. For example:
 - (1) To adjust bass, press + △ or ♥ to select BASS.





(2) Press RETURN.





- 5 Adjust the selected item:
 - (1) Press + △ or ♥ to adjust the item.





(2) Press RETURN.

The new setting appears in the AUDIO menu.





For details on each item, see "Description of adjustable items" below.

6 To adjust other items, repeat steps 4 and 5 above.

Description of adjustable items

Item	Press + △ to	Press - ∇ to
TREBLE	Increase the treble response	Decrease the treble response
BASS	Increase the bass response	Decrease the bass response
BALANCE	Emphasize the right speaker's volume	Emphasize the left speaker's volume

To restore the factory settings

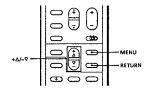
Press STANDARD while the AUDIO menu is displayed.

You can also do this by selecting STANDARD in the PROG PALETTE menu.

Listening to surround sound

(SURROUND)

The SURROUND feature simulates sound reproduction with the atmosphere of a movie theater or a concert hall. Surround sound is only effective for stereo programs.



- 1 Press MENU
- 2 Make sure the cursor (►) is beside PROG PALETTE, and press RETURN.
- 3 Press + △ or ▽ to select AUDIO and press RETURN.
- 4 Press + △ or ♥ to select SURROUND and press RETURN.







5 Press + △ or - ♥ to select ON and press RETURN.

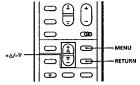






Selecting stereo or bilingual programs (MTS)

The Multichannel TV Sound (MTS) feature gives you the choice to enjoy stereo sound or Second Audio Programs (SAP) when available. The initial setting is stereo sound (MAIN).



- 1 Press MENU.
- 2 Press + △ or ∇ to select MODE SET and press RETURN.
- 3 Press + △ or ♥ to select MTS and press







4 Press + △ or - ♥ to select MAIN, SAP or MONO and press RETURN.



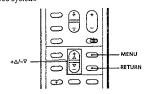




Choose	То
MAIN	Listen to stereo sound. The STEREO indicator on the projection TV lights up while a stereo broadcast is received.
SAP	Listen to bilingual programs. The sound of non-SAP programs will be muted when SAP is selected.
MONO	Reduce noise during stereo broadcasts.

Note

Stereo and SAP sounds are subject to program sources.



Setting the speaker

switch (SPEAKER)

- 1 Press MENU.
- 2 Press + △ or ♥ to select MODE SET and press RETURN.
- 3 Press + △ or ♥ to select SPEAKER and press RETURN.







4 Press + △ or - ▽ to select ON or OFF and press RETURN.



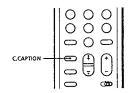




Displaying closed caption

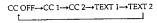
Some programs are broadcast with Closed Caption (Caption Vision). To display Closed Caption, select either CC1, CC2, TEXT1 or TEXT2 with the C.CAPTION button.

CC1 or CC2 shows you a caption, that is a printed version of the dialog or sound effects of a program. (The mode should be set to CC1 for most programs.) TEXT1 or TEXT2 shows you text, that is information presented using half to full of the screen. It is usually not related to the program.



Press C.CAPTION repeatedly to select the closed caption mode.

Each time you press C.CAPTION, the mode changes as shown blow.







If you do not want to display Closed Caption or Text, select CC OFF.

 Captions may appear with a white box or another error instead of a certain word. Poor reception of TV programs can also cause errors in Closed Caption.

Operations | 23

Setting daylight saving time (DAYLIGHT SAVING)

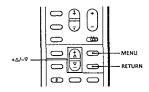
If your area uses daylight saving time, change DAYLIGHT SAVING setting depending on the season, before setting the current time.

Daylight saving start

· After the first Sunday in April, set DAYLIGHT SAVING to YES. Current time (page 25), On/off Timer (page 26) and Channel Block (page 27) settings automatically move one hour ahead.

Daylight saving end

 After the last Sunday in October, set DAYLIGHT SAVING to NO. Current time, On/off Timer and Channel Block settings automatically move one hour



- 1 Press MENU.
- 2 Press + \triangle or ∇ to move the cursor (\triangleright) to TIME and press RETURN.







3 Press + △ or - ♥ to select DAYLIGHT SAVING and press RETURN.







4 Press + △ or - ♥ to select YES or NO and press RETURN.



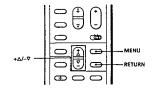




Choose	То
YES	Set for daylight saving start
NO	Set for daylight saving end

Setting the clock (CURRENT TIME SET)

Set the current time before using On/off Timer (page 26) and Channel Block features (page 27). For example, set the clock to 3:15 p.m., Monday.



- 1 Press MENU.
- 2 Press + △ or ♥ to select TIME and press RETURN.
- 3 Make sure the cursor (►) is beside CURRENT TIME SET, and press RETURN.

If the cursor is not beside CURRENT TIME SET, press + Δ or - ∇ to move the cursor and press RETURN.





If you need to set DAYLIGHT SAVING, follow the procedure on the previous page.

- 4 Set the current time.
 - (1) Press RETURN to start setting the time.



(2) Press + Δ or - ∇ to select the day of the week and press RETURN.







(3) Using + △ or - ∇ and RETURN, select hour and minute in the same way as in step (2).



5 Press + △ or - ♥ to select START and press RETURN.

The clock starts working.

To correct the time

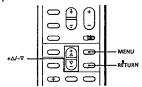
Display the CURRENT TIME SET screen and repeat steps above.

To display the current time Press DISPLAY.

 If you unplug the projection TV or a power interruption occurs, the clock will be erased. Reset the current time.

Turning the projection TV on and off automatically (ON/OFF TIMER)

The ON/OFF TIMER feature allows you to make the TV program of your choice appear on the screen at your specified time.



- 1 Press MENU.
- 2 Press + △ or ♥ to select TIME and press
- 3 Press + △ or ♥ to select ON/OFF TIMER and press RETURN.







- 4 Enter the ON/OFF TIMER setting.
 - (1) To set program 1, press RETURN. To set program 2 or 3, press + △ or - ♥ to select that program and press RETURN.
 - (2) Press + △ or V to select the day of the week and press RETURN.

Each time you press + Δ or - ∇ , the day of the week changes as shown below.

EVERY SUN-SAT→EVERY MON-FRI→ SUNDAY-MONDAY-...-SATURDAY-"----(blank)"-→EVERY SUN-→EVERY MON

→ ...→EVERY SAT







(3) Press + Δ or - ∇ to select the starting hour and press RETURN.







(4) Press + △ or - ∇ to select the starting minute and press RETURN.







(5) Press + △ or - ♥ to select the hour duration and press RETURN.







(6) Press + Δ or − ∇ to select the channel and press RETURN.





►2. == == AM _H CH___ 3. 22722AM _H CH__. Select & program, macric street strikessi

The TIMER/STAND BY indicator on the projection TV lights.

5 To set other programs, press RETURN and

One minute before the projection TV switches to turn off, a message "TV WILL TURN OFF" is displayed on

To cancel an ON/OFF TIMER setting

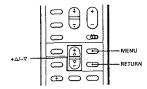
Display the ON/OFF TIMER screen, select the setting you want to cancel with $+\Delta$ or $-\nabla$, and select the blank (---) for the day of the week.

• If you unplug the projection TV or a power interruption occurs, ON/OFF TIMER settings will be erased. Reset the current time, then set the timer.

Blocking a TV program from appearing on the screen (CHANNEL BLOCK)

This feature allows you to prevent children from watching unsuitable programs.

For example, set CHANNEL BLOCK for every Saturday at 4:30 p.m. for one hour, on channel 12.



- 1 Press MENU.
- 2 Press + △ or ♥ to select TIME and press
- 3 Press + △ or ▽ to select CHANNEL BLOCK and press RETURN.







- 4 Enter a CHANNEL BLOCK setting.
 (1) Press RETURN to start setting.
 - (2) Press + △ or − ∇ to select the day of the week and press RETURN.

 Each time you press + △ or − ∇, the day changes as shown below.

 EVERY SUN-SAT→EVERY MON—FRI→
 SUNDAY→MONDAY→...→SATURDAY→
 "—— (blank)"—EVERY SUN→EVERY
 MON→...→EVERY SAT





(3) Press + Δ or − ∇ to select the hour to start the channel block and press RETURN.





(4) Press + Δ or − ∇ to select the minute and press RETURN.





(5) Press + Δ or − ∇ to select the hour duration you want to block and press RETURN. Each time you press RETURN, the hour duration increases by one hour up to a maximum of six hours.





(6) Press + Δ or − ∇ to select the channel and press RETURN.





At the preset time, a message "BLOCKED" is displayed in red on the screen if the blocked channel is selected. During the preset duration, the picture of the preset channel is blocked and the sound is muted.

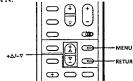
To cancel a CHANNEL BLOCK setting
Display the CHANNEL BLOCK screen and select a
blank (----) for the day of the week.

Note

 If the CHANNEL BLOCK and ON/OFF TIMER settings are overlapped, the later time setting has priority over the other setting.

Customizing channel names (CH CAPTION)

You can caption each channel number using up to four letters or numbers to be displayed on the screen. This feature allows you to easily identify which channel you are watching. For example, you can name channel 20 "ESPN."



- 1 Press MENU.
- 2 Press + △ or ▽ to select SET UP and press RETURN.
- 3 Press + △ or ▽ to select CH CAPTION and press RETURN.





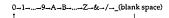


4 Press CH +/- or press 0-9 buttons and ENTER to enter the channel number that you want to caption, and press RETURN.



- 5 Enter the letters or numbers (up to four) to caption the channel:
 - (1) Press + Δ or − ∇ to select the first letter (number).

Each time you press + Δ or - ∇ , the letter (number) changes as shown below.





(2) Press RETURN.





(3) Repeat steps (1) and (2) to select the remaining letters (numbers) and press RETURN. For the caption space you want to leave blank, select "_(blank)."





6 Repeat steps 4 and 5 to caption other channels.

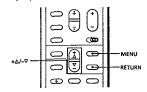
To erase a caption

Select the channel number with the caption you want to erase in the CH CAPTION screen, select "_ (blank)" for the caption, and press RETURN.

Notes

- You can set up to 32 channel captions. If 32 captions have been set, "The memory is full, sorry" appears on the screen.
- If the CH CAPTION menu appears in black, the projection TV is set to a video input, and you cannot select CH CAPTION.
 Press TV so that a channel number appears.
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.

This feature allows you to label each input mode so that you can easily identify the connected equipment. For example, you can label VIDEO 1 IN as VHS.



- 1 Press MENU.
- 2 Press + △ or ♥ to select SET UP and press
- 3 Press + △ or ♥ to select VIDEO LABEL and press RETURN.







4 Press + △ or - ♥ to select the input mode you want to label and press RETURN.







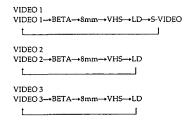
5 Press + \triangle or - ∇ to select the label and press







Each time you press + Δ or - ∇ , the label changes as shown below.



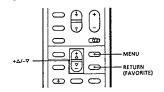
6 Repeat steps 4 and 5 to label other input modes.

. If more than 90 seconds elapse after you press a button, the menu disappears automatically.

Selecting your favorite channels (FAVORITE CHANNEL)

This feature allows you to select the channels (up to seven channels) you use frequently by pressing RETURN (FAVORITE).

Setting the favorite channels



- 2 Press + △ or ♥ to select SET UP and press
- 3 Press + △ or ♥ to select FAVORITE CHANNEL and press RETURN.





- 4 Press + △ or ▽ to select the position (up to seven) and press RETURN.
- 5 Press 0 9 and ENTER to set your favorite channel number and press RETURN.

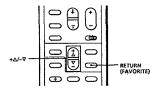


- 6 Repeat steps 4 and 5 to set other favorite channels.
- 30 | Operations

To erase a favorite channel setting

Press + ∆ or - ∇ to select the channel number you want to erase and press RETURN. Then press the 0 button

Selecting a favorite channel



The FAVORITE CHANNEL list appears showing the channel numbers you set with the captions (if



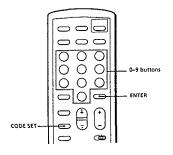
2 Press + \triangle or - ∇ to select the channel you want to watch and press RETURN.



Operating video equipment

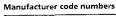
You can operate a piece of video equipment that has an infrared remote sensor with the supplied remote commander. Before operating, set the manufacturer's code number.

Setting the manufacturer's code



While pressing CODE SET, press 0 – 9 to enter the manufacturer's code number (see the chart in the right column) and press ENTER. For example, to operate a Sony 8 mm VCR, press 0, 2 and ENTER.





Manufacturer	Code number
SONY	01, 02, 03, 04
CANON	05
EMERSON	22, 30, 33
FISHER	10, 11, 12, 15
FUNAI	29
GENERAL ELECTRIC	05, 08
GOLDSTAR	25
нітасні	07, 08, 36
IVC	16, 35
MAGNAVOX	05, 06, 09
MITSUBISHI	18, 19, 26, 27
MULTITECH	29
NEC	16, 23, 31
PANASONIC	05, 06
PHILCO	05, 06
PHILIPS	05, 06, 09
QUASAR	05, 06
RCA	07, 08
SAMSUNG	24, 32
SANYO	11, 15
SCOTT	21
SHARP	13, 14
SHINTOM	34
SYLVANIA	05, 06, 09
SYMPHONIC	29
TEKNIKA	28, 29
TOSHIBA	20, 21
TOTE VISION	25
ZENITH	17

- If more than one code number is listed, try entering them one by one, until you come to the correct code for your equipment.

 In some rare cases, you may not be able to operate your non-
- Sony video equipment with this remote commander. This is because your equipment may use a code that is not provided with this remote commander. In this case, please use the equipment's own remote control unit.
- The code numbers for Sony equipment are assigned at the

factory as follows: Beta, ED Beta VCRs

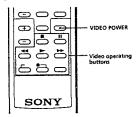
8 mm VCR 03 (preset code for this remote VHS VCR

commander)

MDP 04

When you remove a battery from the remote commander, the code may revert to 03. Reset the codes each time you replace the battery, if necessary.

Operating video equipment



Use the video operating buttons on the remote commander to operate the video equipment.

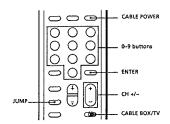
Buttons on the remote commander
Press VIDEO POWER
Press CH +/-
Press ● and REC simultaneously
Press -
Press ■
Press ►►
Press ◀◀
Press II
Press ►► or ◀◀ during playback

Operating a laser-disc player	Buttons on the remote commander
To play	Press -
To stop	Press =
To pause	Press II To resume normal playback, press again.
To search the picture forward and backward	Keep pressing ▶▶ or ◀◀ during playback To resume normal playback, release the button.
To search the chapter forward and backward	Press CH +/-

Note

. If the video equipment does not have a certain function, the corresponding button on this remote commander will not

You can operate a connected cable box with the supplied remote commander. Before operating, set the manufacturer's code number.



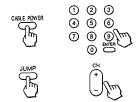
1 Set the CABLE BOX/TV selector to CABLE



2 While pressing CODE SET, press 0 - 9 to enter the manufacturer's code number (see the chart below) and press ENTER. For example, to operate a Zenith cable box, press 6 and 8 and press ENTER.



3 Use CABLE POWER and the TV control buttons (0 - 9, ENTER, JUMP and CH +/-) to operate the cable box.



To operate the TV

Set the CABLE BOX/TV selector to TV. Then use the TV control buttons to control the TV.

For more details on operating the cable box Refer to the operating instructions that come with the cable box.

Manufacturers and code numbers (cable box)

Manufacturer	Code number
JERROLD	60, 61, 62, 63, 64, 65, 73
PIONEER	69, 70
SCIENTIFIC ATLANTA	66, 67
TOCOM	71,72
ZENITH	68

Notes

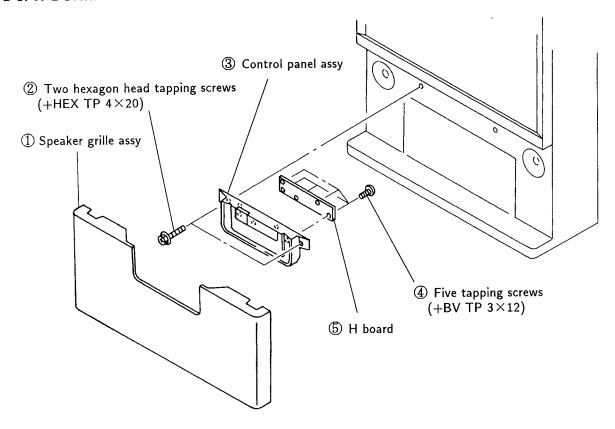
- If more than one code number is listed, try entering them one
- by one until you come to the correct code for your equipment.

 If you enter a new code number, the code number you
- previously entered at that setting is erased.

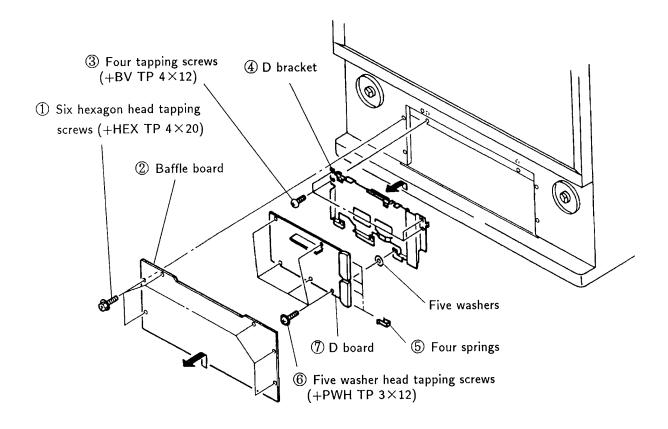
 In some rare cases, your equipment may use a code that is not
- provided with this remote commander and you may not be able to operate your cable box with the supplied remote commander. In this case, use the equipment's own remote
- When you remove a battery from the remote commander, the code may be erased. Reset the code each time you replace the battery, if necessary.

SECTION 2 DISASSEMBLY

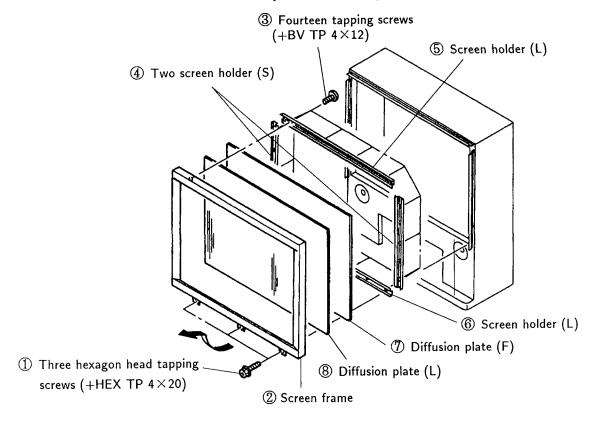
2-1. H BOARD REMOVAL



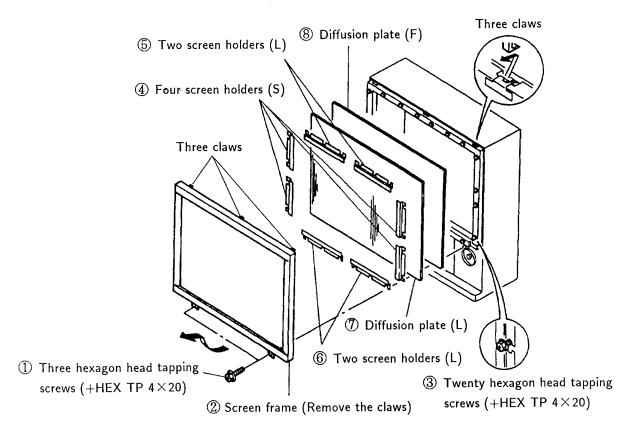
2-2. D BOARD REMOVAL



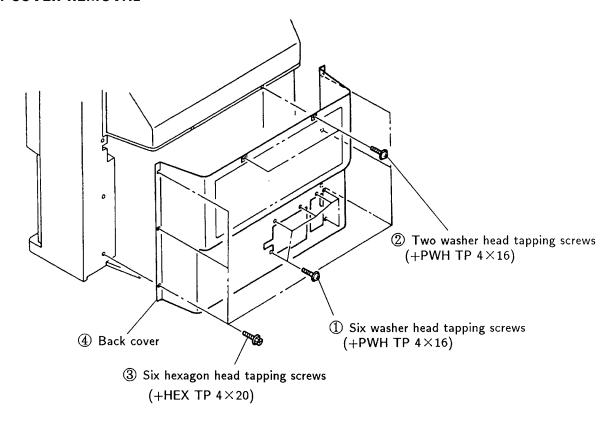
2-3-1. DIFFUSION PLATE REMOVAL (KP-46S55 only)



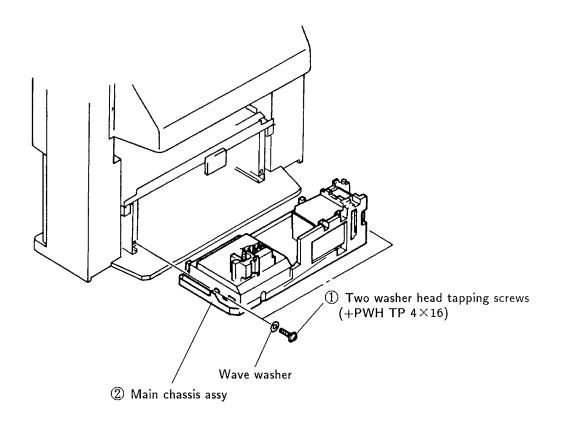
2-3-2. DIFFUSION PLATE REMOVAL (KP-53S55 only)



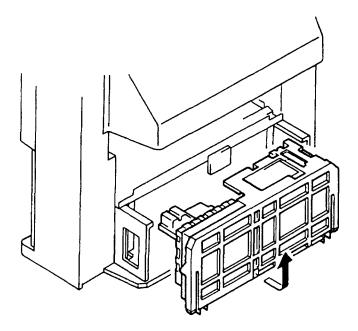
2-4. BACK COVER REMOVAL



2-5. MAIN CHASSIS ASSY REMOVAL



2-6. SERVICE POSITION



NOTES INSERTED IN SERVICE POSITION SECTION

Service Position Procedure

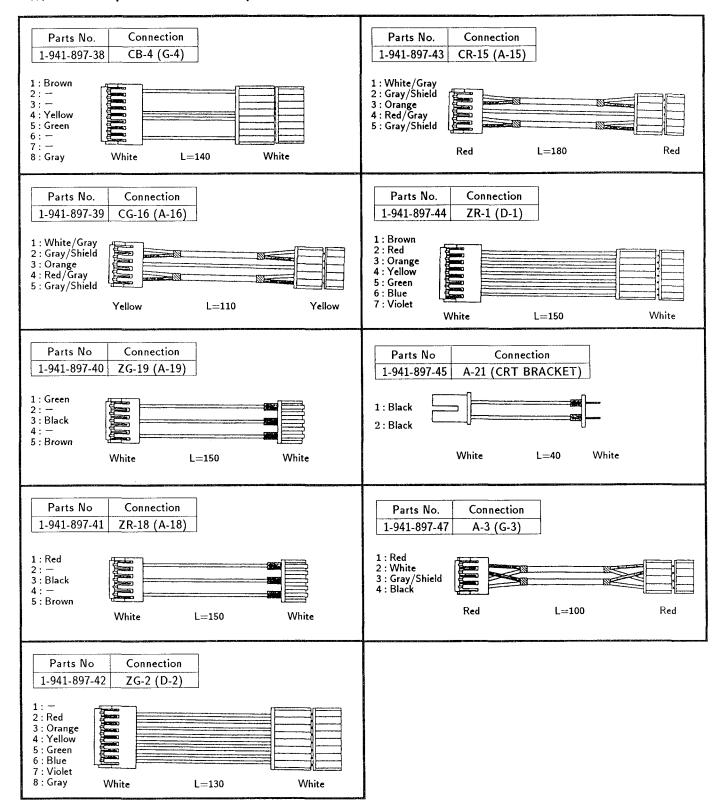
- (1) Remove the path locks where the harness comes into. (MAIN bracket, G shield)
- (2) Remove the following connectors before removing the main bracket
 - * HV grounding lead, G shield grounding lead, uT35 grounding lead (uT board), V-2 connector (V board).
- (3) Remove the main bracket. (Take care as the connector leads linking to the C and Z boards are considerably short.)
 (MAIN bracket, G shield)
- (4) When pulling out the main bracket with power ON, be sure to connect the connectors removed
 - * HV grounding lead, G shield grounding lead, uT35 grounding lead (uT board).

In case that grounding lead (Black) of HV Block is not connected with chassis grounding, it causes arcing of CRT and it is dangerous.

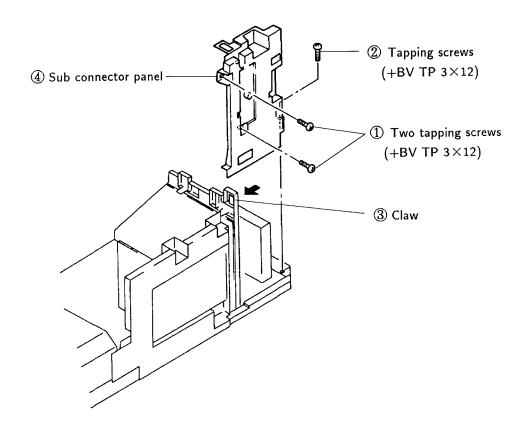
Be sure to connect grounding lead of HV Block with chassis grounding.

CONNECTOR CABLES

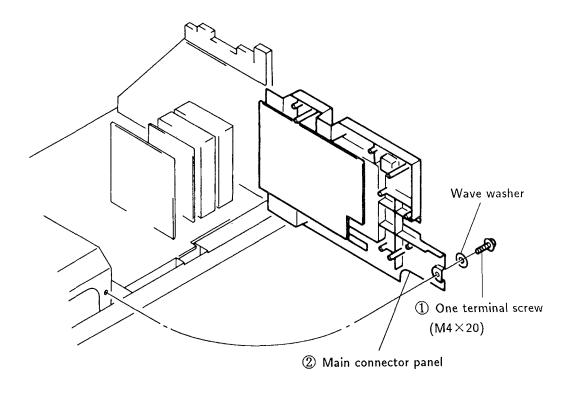
※ In order to put the set in the service position, use the extension connector cables below.



2-7. SUB CONNECTOR PANEL REMOVAL

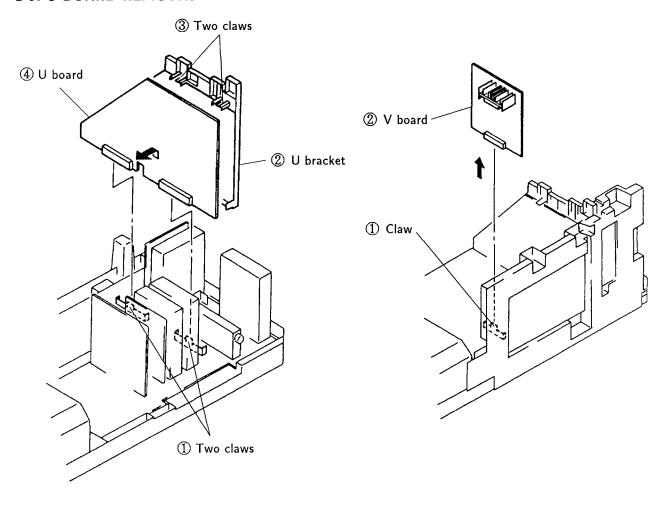


2-8. MAIN CONNECTOR PANEL REMOVAL

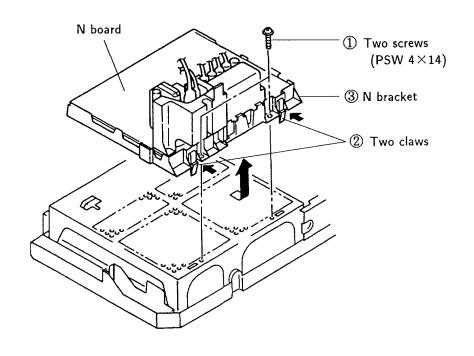


2-9. U BOARD REMOVAL

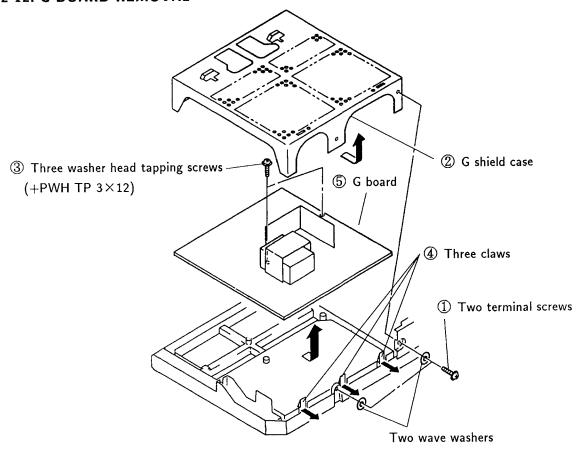
2-10. V BOARD REMOVAL



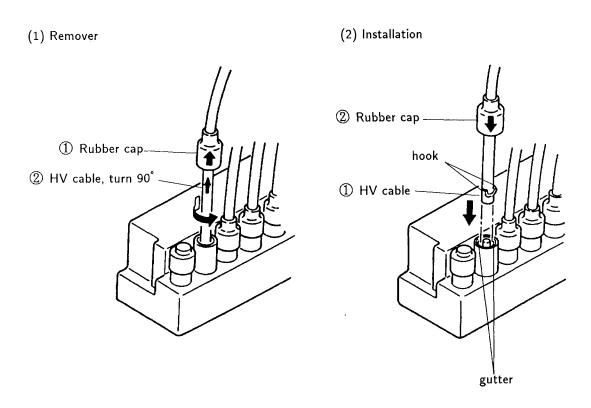
2-11. N BRACKET REMOVAL

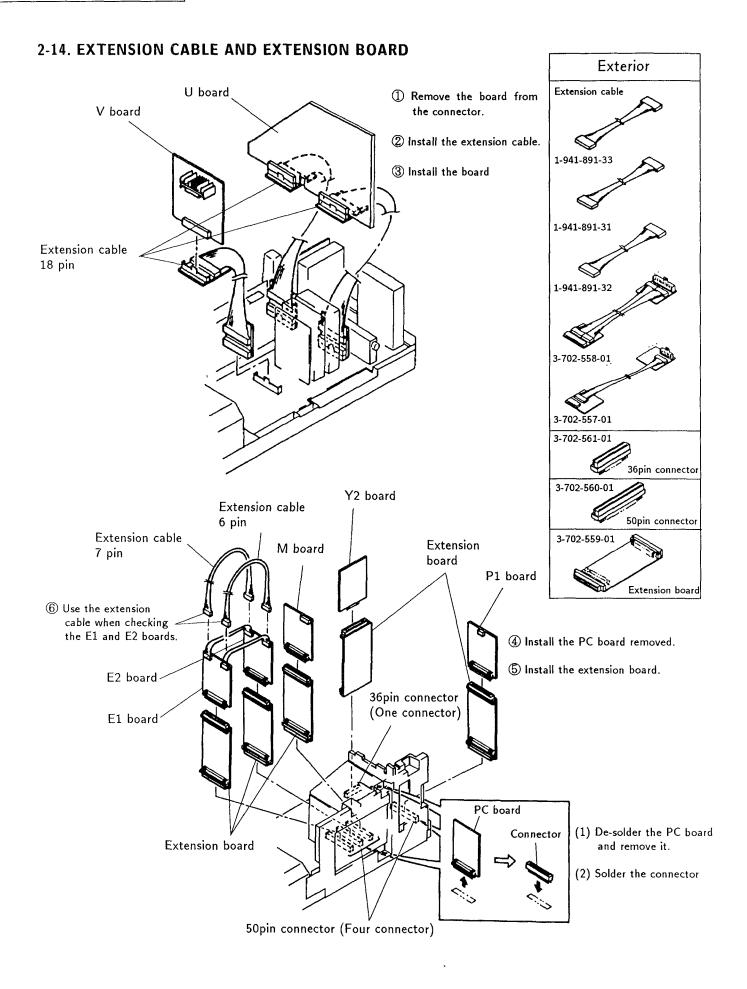


2-12. G BOARD REMOVAL

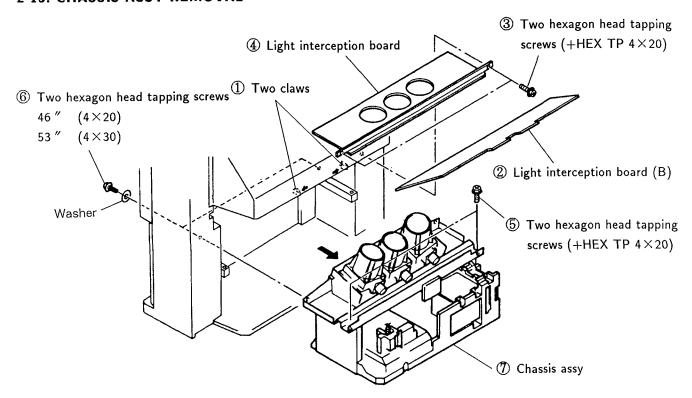


2-13. HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL

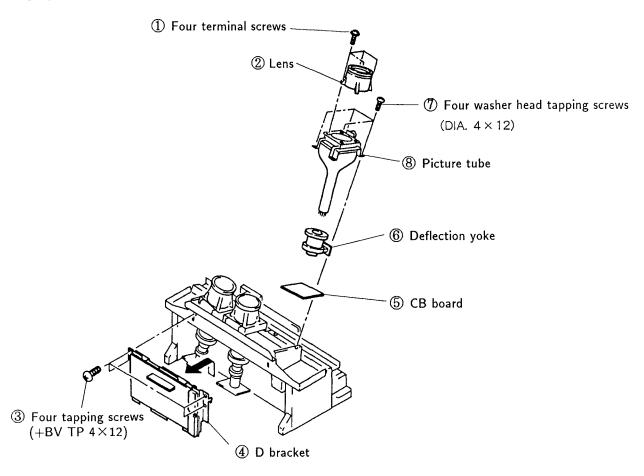




2-15. CHASSIS ASSY REMOVAL



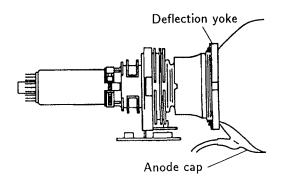
2-16. PICTURE TUBE REMOVAL



SECTION 3 SET-UP ADJUSTMENTS

3-1. FOCUS LENS ADJUSTMENTS

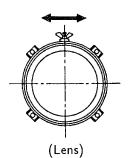
- 1. Set the D-board registration variable resistors (VR) to mechanical center.
- 2. Set the centering magnets (for red, green, and blue) to 0 as shown in the figure.

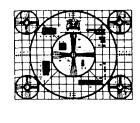


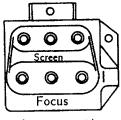
- 3. Input monoscope signal. Set 50% BRIGHTNESS and minimum PICTURE. Make rough adjustment so that 10IRE of the monoscope signal becomes faintly luminous using the screen VRs.
- 4. Set PICTURE and BRIGHTNESS maximum.

 Press the commander menu button. Select

 CONVERGENCE to display test signal.
- Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
 Similarly, select B OFF to cut off blue output.
- 6. Turn the green lens to eliminate flare of the test signal.

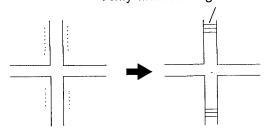




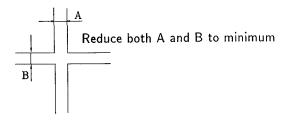


(Focus block)

Verify that scanning lines are seen



7. Turn the green focus VR in the focus block to adjust green focus to reduce both A and B of the test signal to minimum.



- 8. Repeat avobe 6 and 7. Couple of times to improve tracking and obtain an optimum focus. Then tighten the green lens screw.
- 9. Adjust the red and blue focuses similarly.

3-2. DEFLECTION YOKE POSITION ADJUSTMENTS

- 1. Input monoscope signal.
- Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
 Similarly, select B OFF to cut off blue output.
- 3. Loosen the deflection yoke (DY) fitting screws. Tilt the DY to obtain the best horizontal and vertical monoscope patterns.
- 4. After adjustment, press the DY onto the cathode ray tube (CRT) funnel and tighten the screws.
- 5. Also adjust DY positions for red and blue outputs in the same way.

3-3. 4-POLE MAGNET ADJUSTMENT (BLUE)

1. Input dot signal.

 Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
 Similarly, select G OFF to cut off green output.

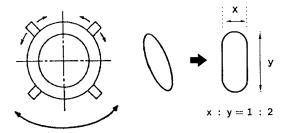
3. Set PICTURE to maximum. Turn the blue focus variable resistor (VR) in the focus block clockwise from the just focus until the dot diameter becomes as shown below.

46": 17 ~ 22 mm 53": 19 ~ 26 mm

4. Adjust the 4-pole magnet to make the dot as shown below.

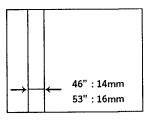
5. Turn the blue focus variable resistor to the just focus.

* Use the vertical center and left end dot



3-4. DE-FOCUS ADJUSTMENT (BLUE)

- 1. Input cross hatch signal.
- 2. Turn the blue focus variable resistor (VR) in the focus block counter clock wise so that the width of the left end vertical line becomes as shown below.

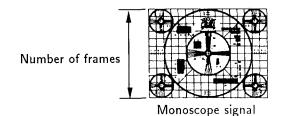


without flare

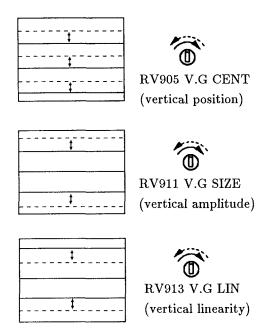
3-5. GREEN PICTURE ADJUSTMENTS

- 1. Input monoscope signal.
- Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
 Similarly, select B OFF to cut off blue output.
- 3. Turn RV913 and RV960, the vertical green linearity variable resistors (V.G LIN VRs) on the D-board, to obtain an optimum vertical linearity. Then turn RV911, the vertical green amplitube variable resistor (V.G SIZE VR) to set vertical amplitude to 11.7 flames.

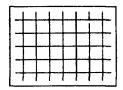
Note: The vertical position indicator of the monoscope signal must be positioned at the center by adjusting RV905, the vertical green center position variable resistor (V.G CENT VR) in advance.



-29 -



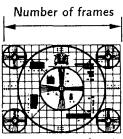
4. Verify that the horizontal lines on the top and bottom of cross-hatched area of the monoscope signal are horizontal and linear.



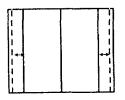
 Turn RV916, RV964 and RV969, the horizontal green linearity variable resistors (H.G LIN VRs) on the D-board, to obtain an optimum horizontal linearity.

Then turn RV908, the horizontal green amplitude variable resistor (H.G SIZE VR) to set horizontal amplitude to 15.6 frames.

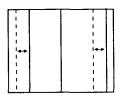
Note: The horizontal position indicator of the monoscope signal must be positioned at the center by adjusting RV902, the horizontal green center position variable resistor (V.G CENT VR) in advance.



Monoscope signal









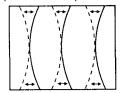
RV916 H.G LIN (horizontal linearity)

6. Input cross hatch signal.
Turn vertical green (V.G) and horizontal green (H.G) variable resistors (VRs) and make adjustments according to the following steps:

(Adjustment procedure)

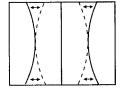
- 1. $[BOW] \rightarrow [SKEW] \rightarrow [CENT (center position)]$
- 2. [PIN (pin warp)] \rightarrow [SUB BOW] \rightarrow [BOW]
- 3. [KEYS (trapezoid)] \rightarrow [SUB SKEW] \rightarrow [SKEW]
- 4. [M.WAVE (middle sine wave warp)] →
 [WAVE-A (upper and lower sine wave warp)] →
 [WAVE-U (upper sine wave warp)]
 - ※ For vertical (V) only.
- [V-M.PIN (vertical middle pin warp)] →
 [V/WING (vertical wing warp)]
 ※ For vertical (V) only
 - ★ For vertical (V) only.
- 6. [H-M.PIN (horizontal middle pin warp)]
 - **※** For horizontal (H) only.

(Dot motion)



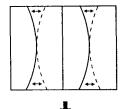
1

RV932 H.G BOW (horizontal green bow)



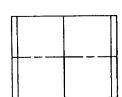
1

RV941 H.G PIN (horizontal green pin warp)



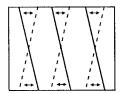


RV950 H.G SUB BOW (horizontal green sub bow)



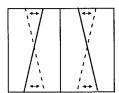
V.G BOW......RV935 V.G PIN · · · · · · · · · · · RV938

V.G SUB BOW · · · · · · · · · · · · RV953



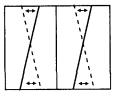


RV920 H.G SKEW (horizontal green skew)



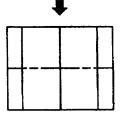


RV925 H.G KEYS (horizontal green trapezoid)



1

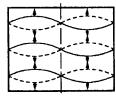
RV944 H.G SUB SKEW (horizontal green sub skew)



V.G SKEW......RV923

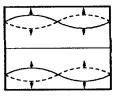
V.G KEYS.....RV929

V.G SUB SKEW·····RV947



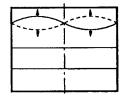


RV962 V-M-WAVE (vertical middle sine wave warp)



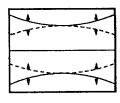


RV975 V-WAVE-A (vertical upper and lower sine wave warp)





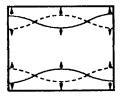
RV978 V-WAVE-U (vertical upper sine wave warp)





RV980 V-M. PIN (vertical middle pin warp)

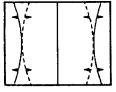
Common in red, green, and blue





RV957 V/WING (wing warp)

Common in red, green, and blue





RV956 H/M. PIN (horizontal middle pin warp)

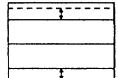
3-6. GREEN AND RED REGISTRATION ADJUSTMENTS

- 1. Input cross hatch signal.
- Enter service mode. Select B OFF of SERVICE MODE to cut off blue output.
- 3. Turn the vertical red (V.R) and horizontal red (H.R) variable resistors (VRs) to adjust red picture convergence in relation to green picture according to the following steps:

(Adjustment procedure)

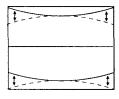
- [LIN (linearity)] → [SIZE (amplitude)] →
 [CENT (center position)]
- 2. $[BOW] \rightarrow [SKEW] \rightarrow [CENT (center position)]$
- 3. [PIN (pin warp)] → [SUB BOW] → [BOW] [H/M. PIN (horizontal middle pin warp)]
- 4. [KEYS (trapezoid)] \rightarrow [SUB SKEW] \rightarrow [SKEW]
- [M.WAVE (middle sine wave warp)] → [WAVE-A (upper and lower sine wave warp)] → [WAVE-U (upper sine wave warp)]
 ※ For vertical (V) only.

(Dot motion)



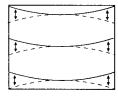


RV912 V.B SIZE (vertical red amplitude)



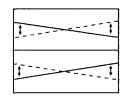


RV952 V.R SUB BOW (vertical red sub bow)

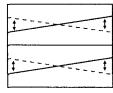


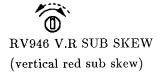


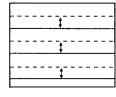
RV943 V.R BOW (vertical red bow)





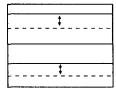




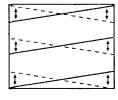




RV904 V.R CENT (vertical red center position)









H.R LIN·····················RV915
H.R SIZE
H.R CENT · · · · · · · · · · · · · · RV901
H.R BOWRV931
H.R SKEW······· RV919
H.R PINRV940
H.R KEYS················RV926
H.R SUB BOW·····RV949
H.R SUB SKEW·····RV943
$V-M-WAVE \cdots \cdots RV973$
V-WAVE-ARV976
V-WAVE-U·····RV979
V-M.PIN · · · · · · · · · · · · RV980
V/WING · · · · · · · · · · · · · · RV957

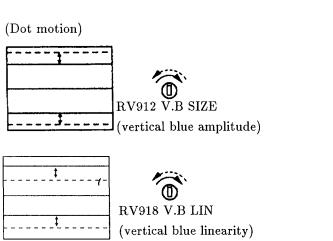
H/M.PIN.....RV956

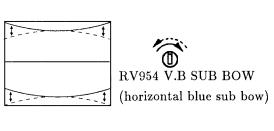
3-7. GREEN AND BLUE REGISTRATION ADJUSTMENTS

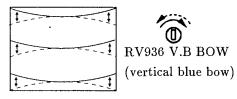
- 1. Input cross hatch signal.
- 2. Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
- 3. Turn the vertical blue (V.B) and horizontal blue (H.B) variable resistors (VRs) to adjust blue picture convergence in relation to green picture according to the following steps:

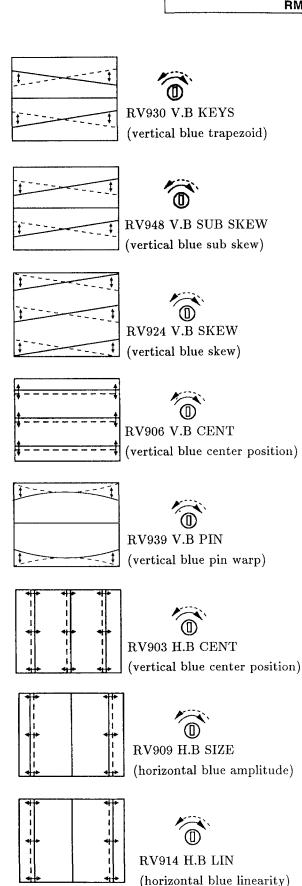
(Adjustment procedure)

- [LIN (linearity)] → [SIZE (amplitude)] →
 [CENT (center position)] →
- 2. $[BOW] \rightarrow [SKEW] \rightarrow [CENT (center position)]$
- 3. [PIN (pin warp)] → [SUB BOW] → [BOW] [H/M. PIN (horizontal middle pin warp)]
- 4. [KEYS (trapezoid)] \rightarrow [SUB SKEW] \rightarrow [SKEW]
- [M.WAVE (middle sine wave warp)] →
 [WAVE-A (upper and lower sine wave warp)] →
 [WAVE-U (upper sine wave warp)] →



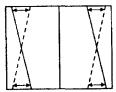






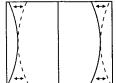
RV942 H.B PIN

(horizontal blue pin warp)



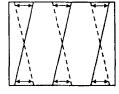


RV954 H.B SUB SKEW (horizontal blue sub skew)



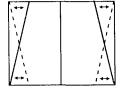


RV951 H.B SUB BOW (horizontal blue sub bow)



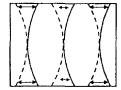


RV921 H.B SKEW (horizontal blue skew)



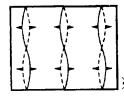


RV927 H.B KEYS (horizontal blue trapezoid)



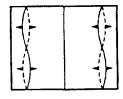


RV933 H.B BOW (horizontal blue bow)





RV981 ★ Common in red, green, and blue





RV982 ** Common in red, green, and blue

H/M PIN PRV958
M.WAVERV961
WAVE-A RV974
WAVE-U RV977

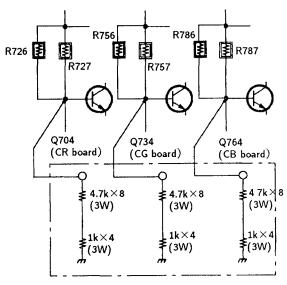
3-8. REGISTRATION CHECK

- 1. Out put red, blue, and green.
- 2. Out put cross hatch and monoscope signals to check registration. Also check focus.

3-9. WHITE BALANCE ADJUSTMENTS

1) Screen adjustment

- 1. Input white signal.
- 2. Remove connectors CR-15, CG-16, and CB-17.
- 3. Fit jigs between the ground and R726, R756, and R787.



* Resistors in each jig are connected serial.

- 4. Turn the RGB (red, green, and blue) screen variable resistors in the focus block to make the flyback line faint. Stop before the line completely disappears.
- 5. Insert connectors CR-15, CG-16, and CB-17.

2) White balance adjustments (SBRT, GAMP, BAMP, GCUT, BCUT)

- 1. Input monoscope signal and enter service mode.
- 2. Select the picture quality adjustment from the menu and set PICTURE minimum.
- 3. Use the commander to adjust SBRT so that 10 IRE of the monoscope pattern becomes faintly luminous.
- 4. Input white signal.
- 5. Set PICTURE minimum. Adjust item GCUT and BCUT to obtain an optimum white balance.
- 6. Set PICTURE maximum. Adjust GAMP and BAMP to obtain an optimum white balance.
- 7. Repeat white balance adjustment alternating PICTURE setting at the minimum and maximum.

SECTION 4 SAFETY RELATED ADJUSTMENT

4-1. SAFETY RELATED ADJUSTMENTS

When replacing the following components, make the HV REGULATOR adjustments (on the N board)

HV block, IC803, IC805, D805, D807, C817,
C818, C821, C836, C837, R824, R825, R827,
R828, R834,R835, R836, R864, R865, R866,
R902

When replacing the following components, make the HV HOLD DOWN adjustments (on the N board)

William
<

When replacing the following components, make the BEAM CURRENT PROTECTOR adjustments (on the N board)

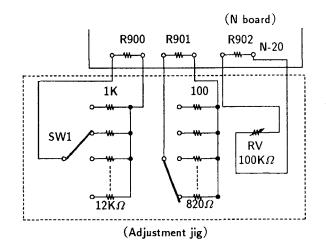
- ☐ IC802, Q805, Q807, D811, D812,C810, C824, C825, C826, C827, C831, R810, R843, R844, R847, R848, R849, R850, R851, R852, R853, R854, R881
 - ② IC804, Q804, Q808, D808, D809, C809, C828,C829, C830, C831, R807, R839, R840, R841,R847, R848, R849, R850, R851, R852, R855, R856, R857, R881

When replacing the following components, make the OVP CIRCUIT adjustments (on the G board)

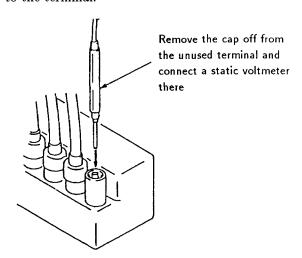
- Q618, Q621, D628, C634, R639, R649, R652, R655, R656
- Checking with static voltmeter -

HV HOLD DOWN ADJUSTMENTS (■R900, R901)

- 1. Verify that the power switch is off.
- 2. Connect the HV hold down adjustment resistance jig to the N20 connector on the N board.



- Connect an external variable resistor (RV) to R
 902 of the N board.
- 4. Remove the cap off from the unused terminal of the high voltage block. Connect a static voltmeter to the terminal.



- Receive 120 VAC power voltage and monoscope pattern signal. Maximize PICTURE and BRIGHTNESS.
- 6. Use the external variable resistor of the hold down adjustment jig to make the static voltmeter to read $33.50 \pm 0.50 \text{kVDC}$.
- 7. Raise resistances with the jig until the HV hold down circuit is activated. Read the figures then, and mount resistance of the measured figures to R900 and R901.

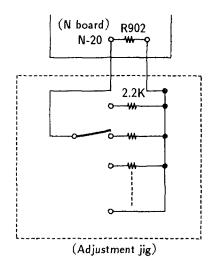
R900: Must be $1k\Omega$ to $12k\Omega$

R901: Must be Jw 100Ω to 820Ω

8. Turn on power again. Vary external variable resistance and confirm that the HV hold down circuit is activated at the reated value, $33.50\pm0.50 \mathrm{kV}$.

HV REGULATOR ADJUSTMENTS (■R902)

1. Connect the HV adjustment resistance jig to R902 of the N board.



- Remove the red anode lead wire for the CRT tube from the high-voltage block and connect the static voltmeter instead.
- 3. Receive 120 VAC power voltage and monoscope pattern signal. Set PICTURE and BRIGHTNESS to the standard.
- 4. Turn on power. To adjust the resistance of R902 with the adjustment jig to read the rated value, $31.50\pm0.50 \,\mathrm{kV}$.
- 5. Receive all-white signal. Set BRIGHTNESS to the standard. Maximize PICTURE. Confirm that the rated value, $31.50\pm0.50 \mathrm{kV}$ is read.
- Cut off RGB by R OFF, G OFF, B OFF of the service commander. Verify that the rated value, 31.50±0.50kV, is read.

+B VOLTAGE CONFIRMATION

- Receive 120±1 VAC power voltage and monoscope pattern signal. Set BRIGHTNESS to standard and maximize PICTURE.
- 2. Connect a digital multimeter between the 115V line and the ground on the G board, and confirm that the rated value, 115.0\frac{1}{320}V is read.

CHECKING AFTER REPLACING IC601

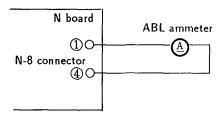
1. When replacing IC601, check the +B voltage.

CHECKING THE OVP (overvoltage protection) CIRCUIT (™R652)

- Receive 120 VAC power voltage and monoscope pattern signal. Maximize PICTURE and BRIGHTNESS.
- Remove the jumper connector from the G-6
 connector on the G board and connect a variable
 resistor (4.7 to 10kΩ) between pin ② and pin ③ of
 the G-6 connector.
- 3. Turn the variable resistor of $10k\Omega$ and confirm that the OVP circuit is activated and luster disappears when +B voltage reads the rated value, 125.0 ± 5.0 VDC.

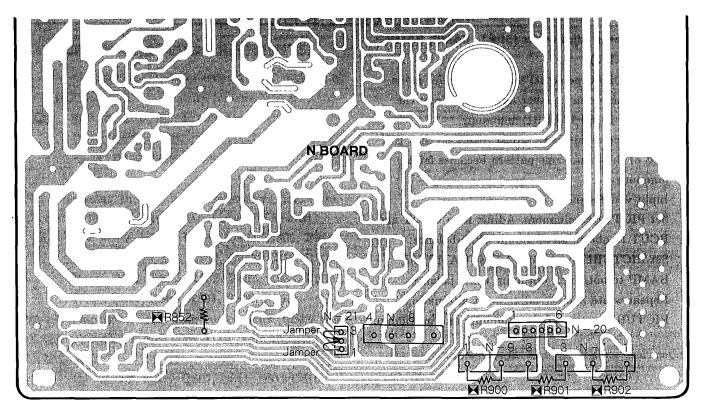
BEAM CURRENT PROTECTOR CHECK (MR852)

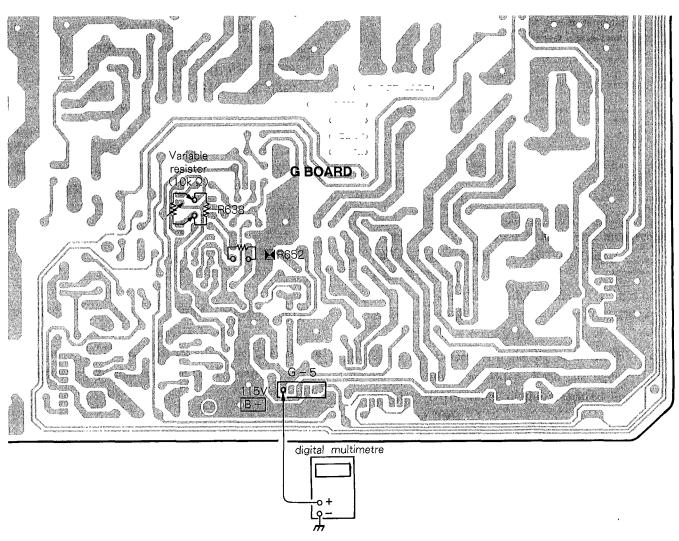
- 1. Receive 120 VAC power voltage and monoscope pattern signal. Maximize BRIGHTNESS.
- 2. Connect pin(1) and pin(2) of the N-21 connector. (on the N board)
- 3. Remove the jumper connector from the N-8 connector on the N board. Then connect an ABL ammeter between pin ① and pin ④ of the N-8 connector.



- Raise PICTURE current gradually. Confirm that the beam current protector circuit is activated and luster disappears under the rated value, 3400 μA.
- 5. Connect pin and pin of the N-21 connector.

 Verify that the protector circuit is activated and luster disappears similarly.





Checking without static voltmeter —

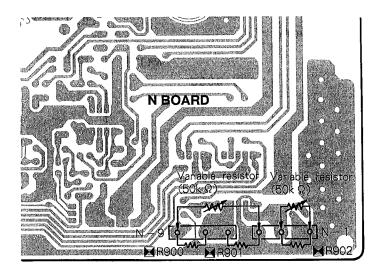
HV HOLD DOWN ADJUSTMENT (☐R900, ☐R901)

- 1. Receive all-white signal. Maximize PICTURE and BRIGHTNESS.
- 2. Remove R902 from the N board. Connect a variable resistor of $50k\Omega$ on each end, and minimize the resistance.
- 3. Remove R900 and R901 from the N board. Connect a variable resistor of $50k\Omega$ on each end, and minimize the resistance.
- 4. Connect a digital voltmeter between the D801 cathode and chassis ground of the N board.
- 5. Turn on the power switch. Adjust the variable resistors connected to the R902 of the N board to make the digital multimeter to read 145.0VDC.
- 6. Adjust the variable resistors connected to R900 and R901 on the N board so as to activate the HV hold down circuit and turn off the display.
- 7. Read the variable resistors connected to R900 and R901 and mount fixed resistors of measured resistance to the terminals.

Note: Select fixed resistance from the following ranges.

R900: $1k\Omega$ to $12k\Omega$ R901: Jw 100Ω to 820Ω

- 8. Maximize resistance of the variable resistor connected to R902 of the N board and turn on power.
- 9. Vary variable resistance at R902. Confirm that the HV hold down circuit is activated and the display is turned off when voltage reads 134 ± 1.0 V.

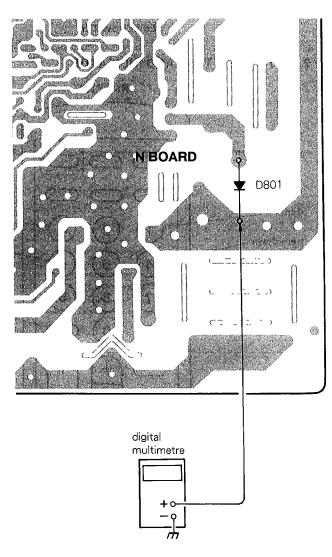


HV REGULATOR ADJUSTMENT (■R902)

- 1. Receive all-white signal. Maximize PICTURE and BRIGHTNESS.
- 2. Connect a variable resistor of $50k\Omega$ on each end of R902 of the N board. Maximize resistance.
- 3. Connect a digital voltmeter between the D801 cathode and the chassis of the N board.
- 4. Turn on power. Adjust the variable resistor so that the digital multimeter reads $135.0V \pm 1.0V$.
- 5. Read the variable resistance then.
- 6. Mount a fixed resistor of the measured resistance to R902.

Note: R902: Must be $2.2k\Omega$ to $27k\Omega$

7. Turn on power again. Confirm that the digital multimeter reads 135.0V±1.0V.



SECTION 5 CIRCUIT ADJUSTMENTS

5-1. ELECTRICAL ADJUSTMENT BYREMOTE COMMANDER

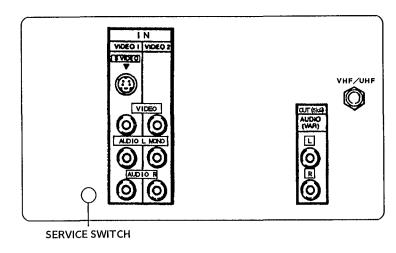
Use of Remote Commander (RM-Y125) can be performed circuit adjustments about this model.

1. METHOD OF SETTING THE SERVICE MODE

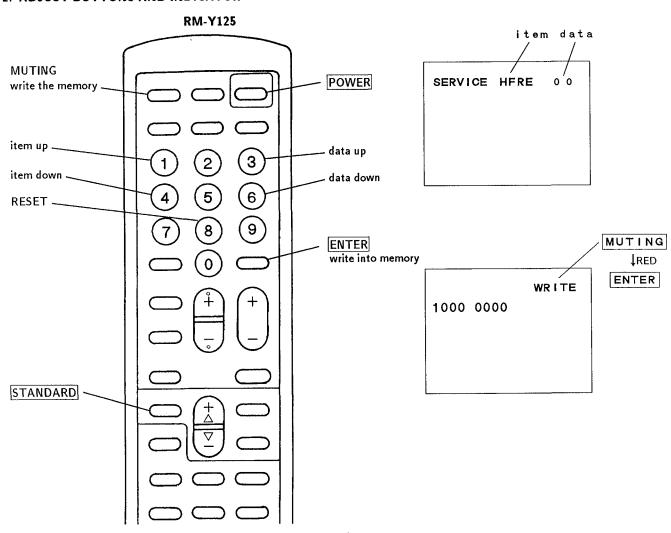
1) Press POWER button on the Remote Commander while pressing switch on the rear of the set.

NOTE: Test Equipment Required.

- 1. Pattern Generator
- 2. Frequency counter
- 3. Digital multimeter
- 4. Audio OSC



2. ADJUST BUTTONS AND INDICATOR



3. AN ITEM OF ADJUSTMENT

ITEM	REFERENCE DATA	NAME REGIST		
AFC	0	VP	AFC 1.0	
HFRE	74	VP	H. FREQUENCE	
VFRE	16	VP	V. FREQUENCE	
VPOS	15	VP	V. SHIFT	
VSIZ	31	VP	V. SIZE	
VLIN	7	VP	V. LINEARITY	
vsco	7	VP	VS. CORRECTION	
HPOS	5	VP	H. PHASE	
GAMP	25	VP	GREEN AMP.	
ВАМР	20	VP	BLUE AMP.	
GCUT	9	VP	GREEN CUT OFF.	
BCUT	6	VP	BLUE CUT OFF	
SPIX	30	VΡ	PICTURE	
SHUE	29	VP	HUE	
SCOL	28	VP	COLOR	
SBRT	11	VP	BRIGHT	
RGBP	28	VP	RGB PICTURE	
SHAR	13	۷.	SHARPNESS	
DISP	21		POSITION	
VSMO	0	VP	VSMO	
REF	1	VP	REF 1.0	
ROFF	1	VP	OFF NR	
	1	VP VP	OFF NG	
GOFF	1	VP VP	OFF NB	
BOFF	1	VP VP	ABLM	
ABLM	Ō	VP VP	D RGB	
DRGB	0	AP	T	
TEST	7	1	ATT	
MPX	31	AP		
FILO	7	AP	11	
DEEM	31	AP	12	
STEV	31	AP	OSC 1	
SAPV	7	AP	OSC 2	
PILO	31	AP	PILOT	
SEP	7	AP	WIDE BAND	
VD	ó	AP	SPECTRAL	
LVOL		AP	VOLUME-L	
RVOL	0	AP	VOLUME-R	
BASS	8	AP	BASS	
TRE	8	AP	TREBLE	
PHPO	32	PI	READ DELAY H	
PVPO	8	PI	READ DELAY V	
PLEV	6	PI	PICTURE LEVEL	
PFCO	7	PI	FRAME COLOR	
PPLL	1	PI	PLL OFF	
PPVS	6	PI	VSP DEL	
SHAD	0	PJ	SHADING	
VMSW	0	ΡJ	VM	
SCUT	16	PJ	SHAD CUT OFF	
DSPP	30		POSITION	

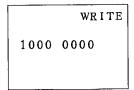
4. METHOD OF CANCELLATION FROM SERVICE MODE

Set the standby condition (Press POWER button on the commander) in the next place, press POWER button again, hereupon it becomes TV mode.

5. METHOD OF WRITE FOR MEMORY

- 1) Set to Service Mode.
- 2) Press 1 (UP) and 4 (DOWN), select an item of adjustments.
- 3) Press MUTING button indicate WRITE (RED) on screen.
- 4) Press ENTER button to write for memory.

6. MEMORY WRITE CONFIRMATION METHOD



- 1) After adjustment, pull out the plug from AC outlet, and next place, plug in AC outlet again.
- 2) Turn the power switch ON and set to Service Mode.
- 3) Call the adjusted items again, confirm they were adjusted.

5-2. A BOARD ADJUSTMENTS

RF AGC ADJUSTMENT(IF BLOCK VR)

- 1) Input a color-bar signal.
- 2) Adjust AGC VR of TU 101 so that snow noise and cross-modulation disappear from the picture.
- 3) Confirm them at every channel.

H.FREQUENCY ADJUSTMENT (HFRE)

- 1) Set to Service Mode.
- 2) Input a color-bar signal.
- 3) Connect a frequency counter to pin 3 of A-10 connector.
- 4) Call the item of AFC, set to 3 level (free run).
- 5) Select HFRE with 1 and 4.
- 6) Adjust 3 and 6 to the 15735 ± 60 Hz level.
- 7) Call the item of AFC again, adjust the level" 01".
- 8) Write into the memory by pressing MUTING → then ENTER.

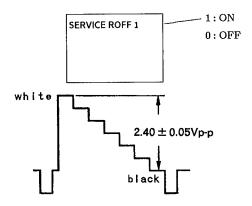
V.FREQUENCY ADJUSTMENT (VFRE)

- 1) Set the Service Mode.
- 2) Input an off-air signal (VIDEO IN \rightarrow no signal).
- 3) Connect the frequency counter across connector ③pin of E 1-1 connector and ground.
- 4) Select VFRE with 1 and 4.
- 5) Adjust 3 and 6 to the 56 ± 0.5 Hz.
- 6) Write the memory by pressing MUTING → then ENTER .

SUB CONTRAST ADJUSTMENT (SPIX)

- 1) Set to Service Mode.
- 2) Input a color-bar signal. (75 IRE)
- 3) Set the conditions as follows.

PICTURE	MAX
COLOR	MIN
BRIGHTNESS	$\cdots\cdots\cdots \ \mathbf{MIN}$
TRINITONE	······ LOW
R OFF	ON
GOFF	OFF
BOFF	····· OFF

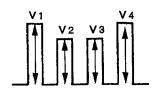


- 4) Connect an oscilloscope to @pin of E1-1 connector on A board and ground.
- 5) Adjust 3 and 6 to the 2.40 \pm 0.05 Vp-p level by selecting SPIX with 1 and 4.
- 6) Write the memory by pressing MUTING → then ENTER.
- 7) Return the following back to normal after adjustment.

GOFF	ON
B OFF	ON
COLOR	······ CENTER
BRIGHTNESS	······ CENTER
TRINITONE	······ HIGH
PICTURE	80%

SUB HUE, SUB COLOR ADJUSTMENT (SHUE, SCOL)

- 1) Input a color-bar signal.
- 2) Press STANDARD to normal.
- 3) Set to Service Mode.
- 4) Connect an oscilloscope to pin of E1-1 connector on A board and ground.
- 5) Adjust 3 and 4 to the V1=V4 and V2=V3 by select to SHUE and SCOL with 1 and 4. Lower the data 4 steps from this point.

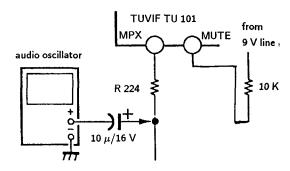


6) Write into the memory by pressing MUTING →then ST VCO ADJUSTMENT (MPX, STEV) ENTER .

FILTER ADJUSTMENT (MPX, FILO)

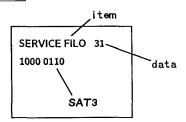
- 1) Set to Service Mode.
- 2) Select to TEST with 1 and 4, set the data to "1". Then select MPX and change data to "8".
- 3) Connect an audio oscillator to R224 using a capacitor $(10\mu \text{ F}/16\text{V})$, set frequency to 62.936 $kHz\pm0.1 kHz$.

And then, through the $10k\Omega$ resistor, feed 9.0V into the mute of TUVIF TU 101.

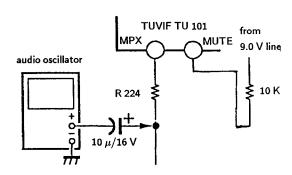


V 4 fh: SINE-WAVE 62.936 KHz ± 0.1 KHz LEVEL 3.0 Vp-p

- 4) Make the data "00" by selecting FILO with [1] and 4 And then, send up the data gradually by pressing |6|. Set the data to D1 before SAT3 changing to 1 from 0.
- 5) Send up the data gradually. Set data D2 when SAT3 changes 0 from 1.
- 6) Adjust the data of FILO to $\frac{D + D + D}{2}$.
- 7) Write into the memory by pressing $|MUTING| \rightarrow$ then ENTER .

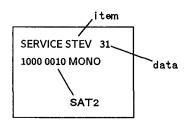


- 1) Set to Service Mode.
- 2) Select TEST with 1 and 4, set the data to "1". And then press MTS to MONO.
- 3) Select MPX, set the data "8".
- 4) Connect an audio oscillator to R 224 using electrolytic capacitor ($10\mu \text{ F}/16\text{V}$) and appply the frequency Vst. Then, apply DC voltage to mute of TUVIF TU 101 using $10k\Omega$ connect to 9.0 V line.



Vfh: SINE-WAVE 15.734 KHz ± 0.1 KHz LEVEL 0.28 Vp-p

- 5) Select STEV with 1 and 4, set the data to "00" with 6. And then, send up the data gradually. Set the data to D1 before SAT2 changes from 0 to 1.
- 6) Send up data gradually, set the data to D2 when SAT2 changes 1 from 0.
- 7) Adjust the data of STEV to (D 1+D 2)/2.
- 8) Write into the memory by pressing MUTING → then ENTER .



MPX IN LEVEL ADJUSTMENT (MPX)

- 1) Set to Service Mode.
- 2) Select TEST with 1 and 4, set the data to "0" with 6. And then press MTS to MONO.
- 3) Select MPX with 1 and 4, set the data to "8" with 3 and 6.
- 4) Write into the memory by pressing MUTING → then ENTER .

PILOT CANCEL ADJUSTMENT (PILO)

- 1) Set to the Service Mode.
- 2) Select PILO with 1 and 4, set the data to "8" with 3 and 6.
- 3) Write into the memory by pressing MUTING

 → then ENTER .

SAP VCO fo ADJUSTMENT (SAPV)

- 1) Set to Service Mode.
- 2) Input a stereo broadcast signal with SAP.
- 3) Select TEST with 1 and 4, set the data to "0". And then, press MTS to MAIN.
- 4) Connect a digital multimeter to TP-1(DBX). This voltage reading will equal V 1.
- 5) Press MTS to SAP and this voltage will equal V 2.
- 6) Select SAPV with $\boxed{1}$ and $\boxed{4}$, adjust $\boxed{3}$ and $\boxed{6}$ so that $V 2=V 1\pm0.03 \text{ VDC}$.
- 7) Write the memory by $\boxed{\text{MUTING}} \rightarrow \boxed{\text{ENTER}}$.

SEPARATION ADJUSTMENT (SEP)

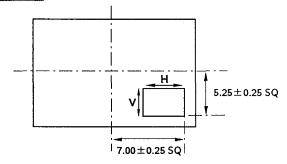
- 1) Set to Service Mode.
- 2) Press MTS to MAIN and receive a monoral broad -cast signal.

In the next step, receive a stereo broadcast signal.

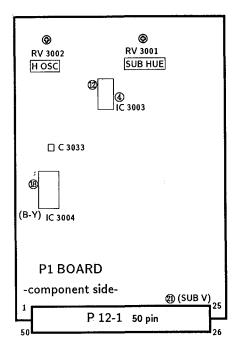
3) Select SEP and VD with 1 and 4, adjust 3 and 6 so that a clear stereo sound is effected.

SUB PICTURE POSITION ADJUSTMENT (PHPO, PVPO)

- 1) Input a cross hatch signal.
- 2) Set to service mode.
- Press PIP to display a sub picture. (RIGHT LOWER Position)
- 4) Select PHPO, PVPO with 1 and 4.
- 5) Adjust 3 and 6 to the standard as shown below.
- 6) Write the memory by pressing MUTING → then ENTER .

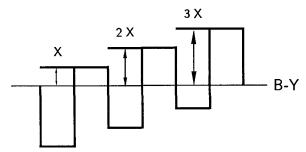


5-3. P1 BOARD ADJUSTMENTS



SUB HUE ADJUSTMENT (RV 3001)

- 1) Set HUE and COLOR to the standard condition.
- 2) Make adjustment so that B-Y signal as shown to the right is obtained at the crossing point of R 3009 (0 Ω) and C 3033.
- 3) Supply the color bar signal of 75 IRE (white) at 2 Vpp to Pin ② (SUB V) of P 12-1 and make adjustment by turning RV 3001.



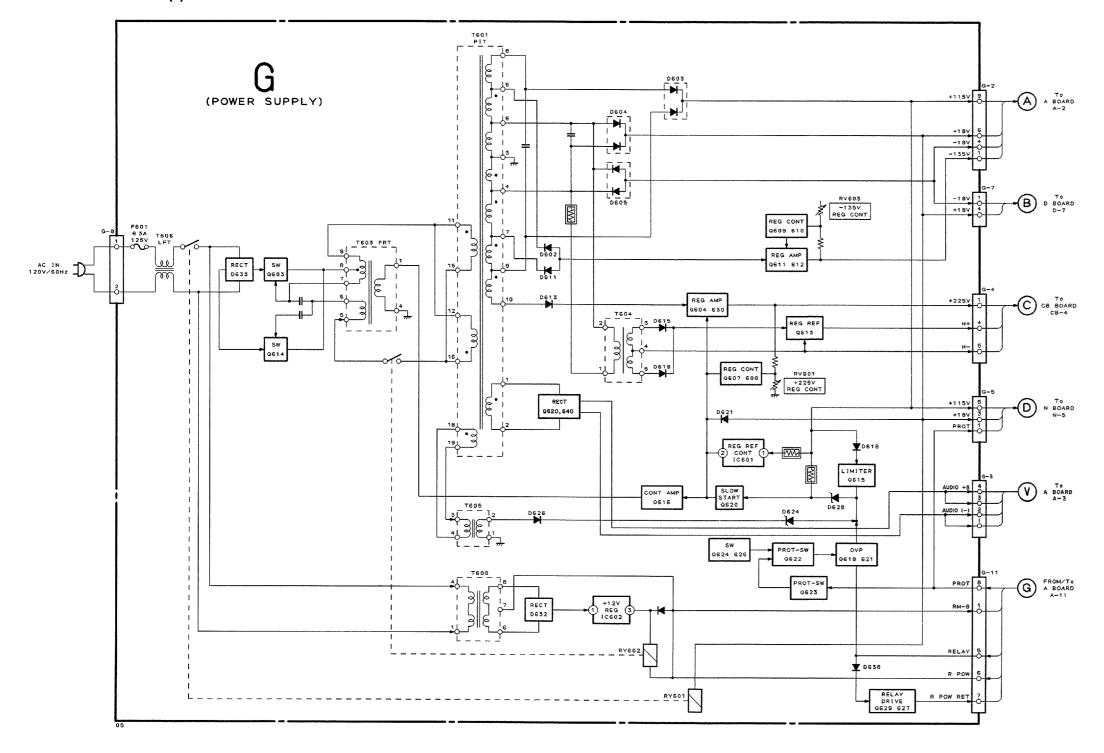
H. FREQUENCY (H OSC) ADJUSTMENT (RV-3002)

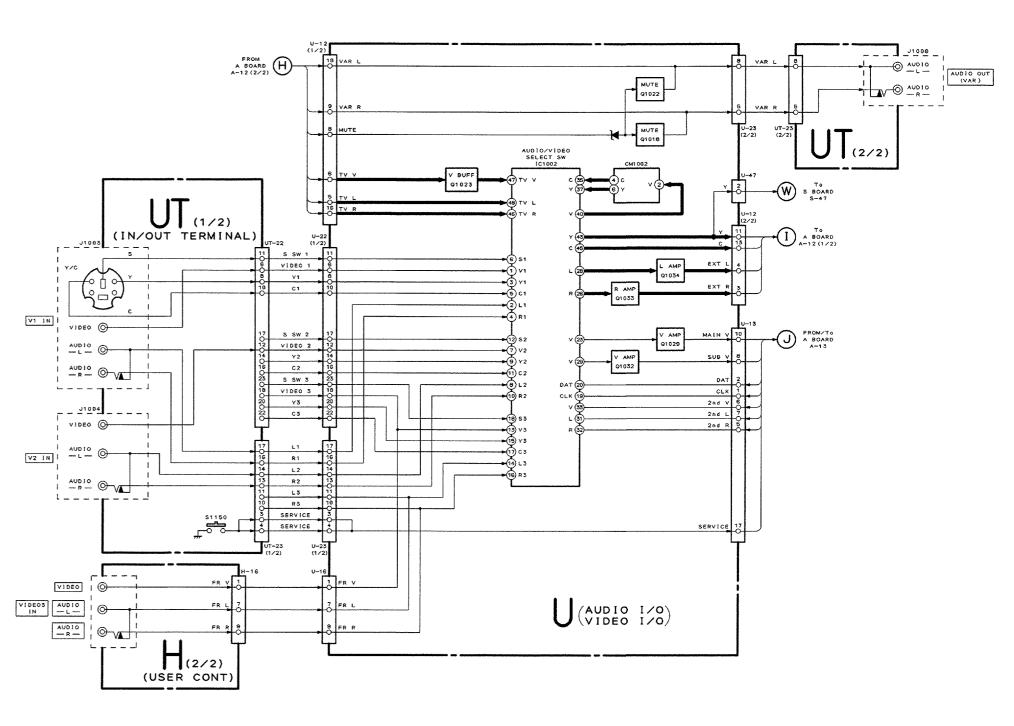
- 1) Connect a frequency counter to Pin 4 (H OUT) of IC 3003.
- 2) Connect Pin ② of IC 3003 to ground.
- 3) Adjust RV3002 for a frequency of 15.734 kHz ±
 50 Hz at Pin 4 of IC 3003.
 (or until the frequency comes to a standstill.)

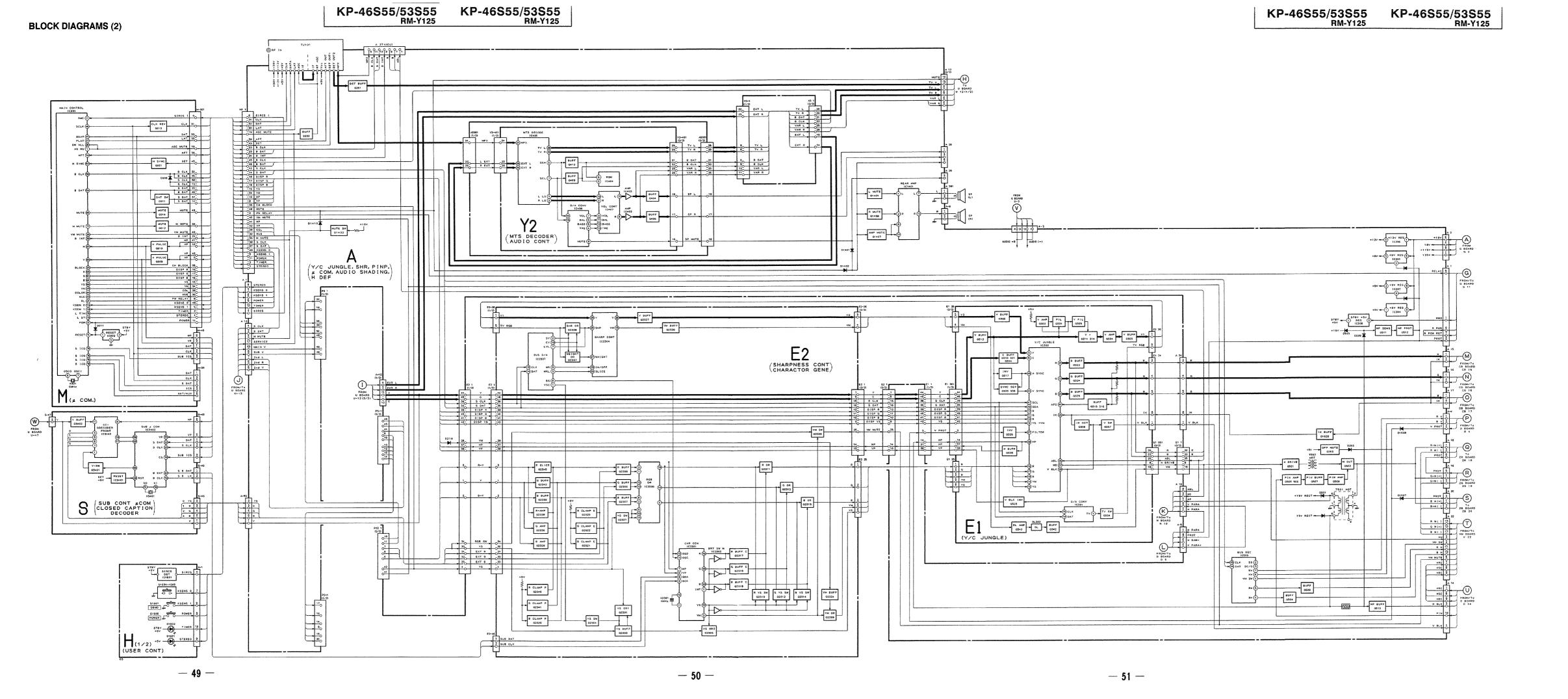
KP-46S55/53S55 RM-Y125 KP-46S55/53S55 RM-Y125

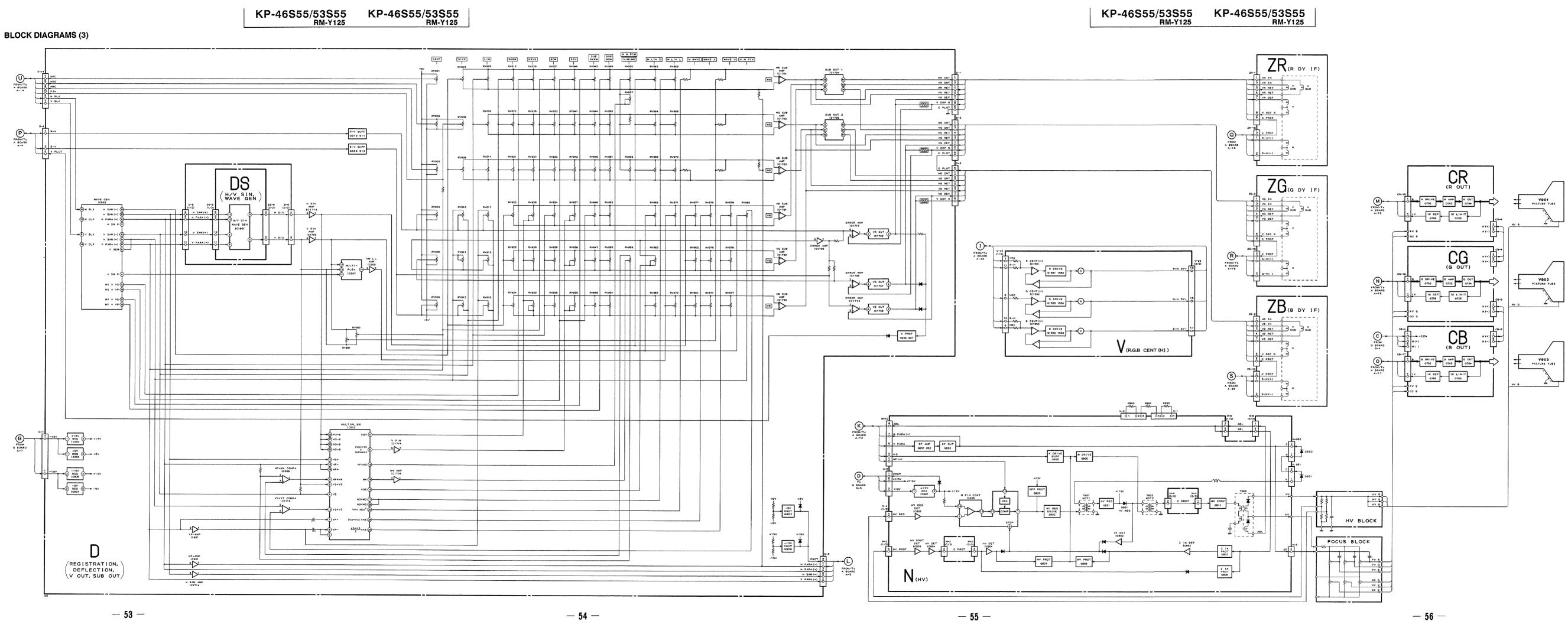
SECTION 6 DIAGRAMS

6-1. BLOCK DIAGRAMS (1)

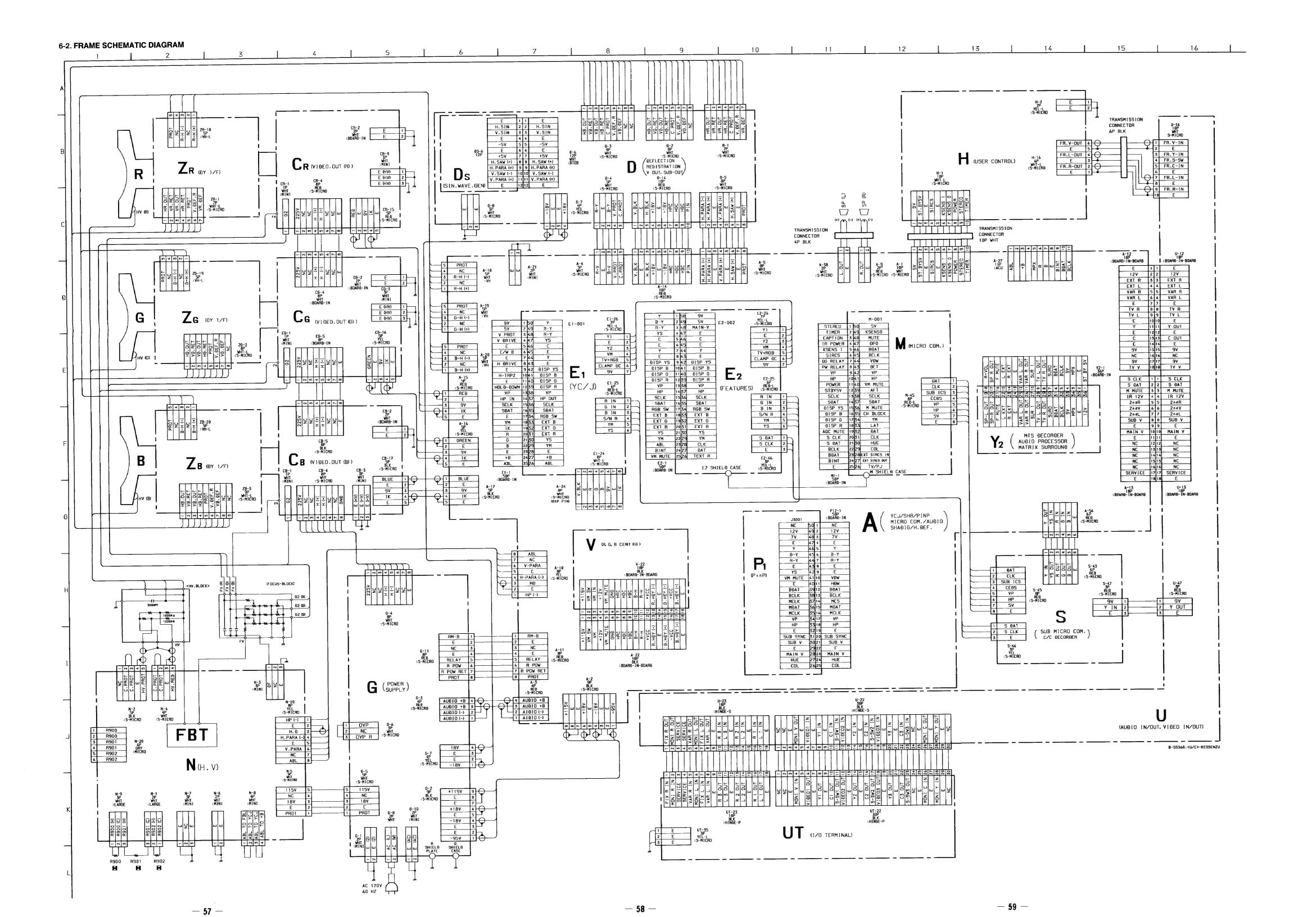






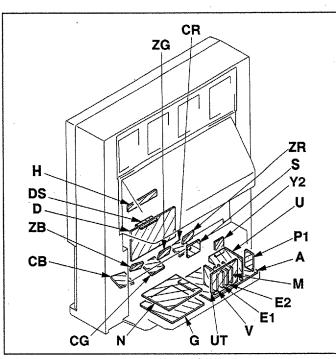


— 60 —



— 60 -

6-3. CIRCUIT BOARDS LOCATION



6-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytic and tantalums.

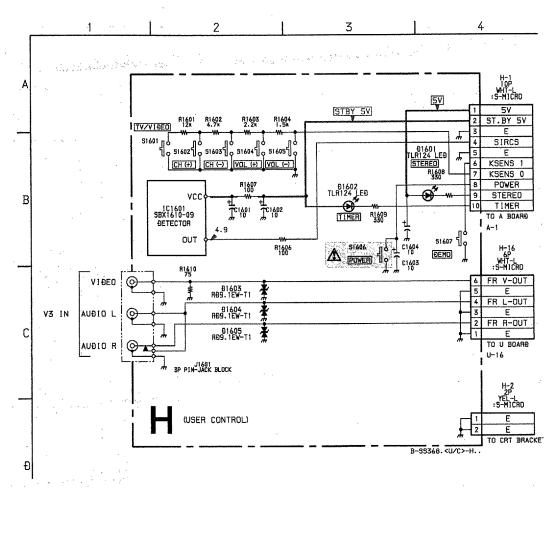
- All resistors are in ohms. $k\Omega$ =1000 Ω , $M\Omega$ =1000 $k\Omega$ Indication of resistance, which does not have one for rating
- Rating electrical power 1/4 W nonflammable resistor.

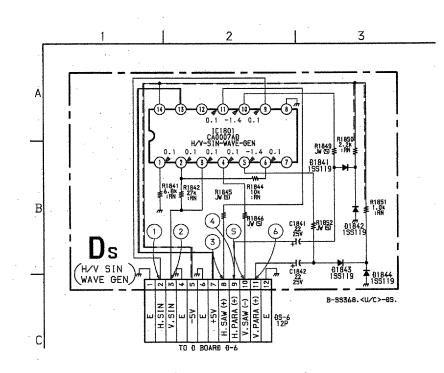
electrical power, is as follows.

Pitch: 5 mm

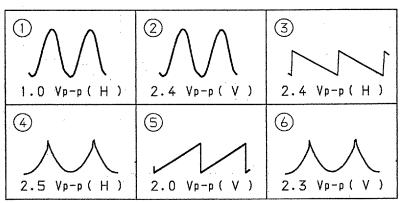
- fusible resistor.
 \(\triangle \)
 : internal component.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ; earth-chassis.
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value
- When replacing components identified by 🛮 , make the
- necessary adjustments indicated. If results do not meet the specified value, change the component identified by M and repeat the adjustment until the specified value is achieved. (Refer to R652, R852, R900, R901, and R902 adjustment on Page 36~39.) When replacing the part in below table, be sure to perform the

Part replaced ()	Adjustment (►)
HV Block IC803, IC805, D805, D807, C817, C818, C821, C836, C837, R824, R825, R827, R828, R834, R835, R836, R864, R865, R866, R902	HV Regurater (R902)
HV Block IC803, IC804, Q804, D808, D808, C809, C819, C820, C822, C823, C850, R807, R826, R829, R832, R833, R837, R838, R839, R840, R841, R892, R893, R900, R901	HV Hold down (R900, R901)
Q618, Q621, D628, C634, R639, G R649, R652, R655, R656 B	oard OVP (R652)
R847, R848, R849, R850, R851, R852, R853, R854, R881 ② IC804, Q804, Q808, D808, D809, C809, C828, C829, C830, C831, R847, R847	Beam current protecter ① R852 ② R852





• DS BOARD WAVEFORMS



: RC SOLID

- FPRD NONFLAMMABLE CARBON : FUSE NONFLAMMABLE FUSIBLE NONFLAMMABLE METAL OXIDE : RS NONFLAMMABLE CEMENT
- NONFLAMMABLE WIREWOUND ADJUSTMENT RESISTOR : **※** : LF-8L MICRO INDUCTOR
- TANTALUM CAPACITOR : TA STYROL POLYPROPYLENE
 - MYLAR : MPS METALIZED POLYESTER METALIZED POLYPROPYLENE
 - : ALB BIPOLAR : ALT HIGH TEMPERATURE
- : ALR HIGH RIPPLE Readings are taken with a color-bar signal input.
- Readings are taken with a $10M\Omega$ digital multimeter. Voltage are dc with respect to ground unless otherwise noted. Voltage variations may be noted due to normal production
- tolerances. All voltages are in V.
- * : Can not be measured.
- Circled numbers are waveform references. e B+ bus.
- B-bus.
- signal path. (RF)

Note: The symbol + display is on the component sde.

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

The symbol III indicate fast operating fuse. Replace only with fuse of same rating as marked.

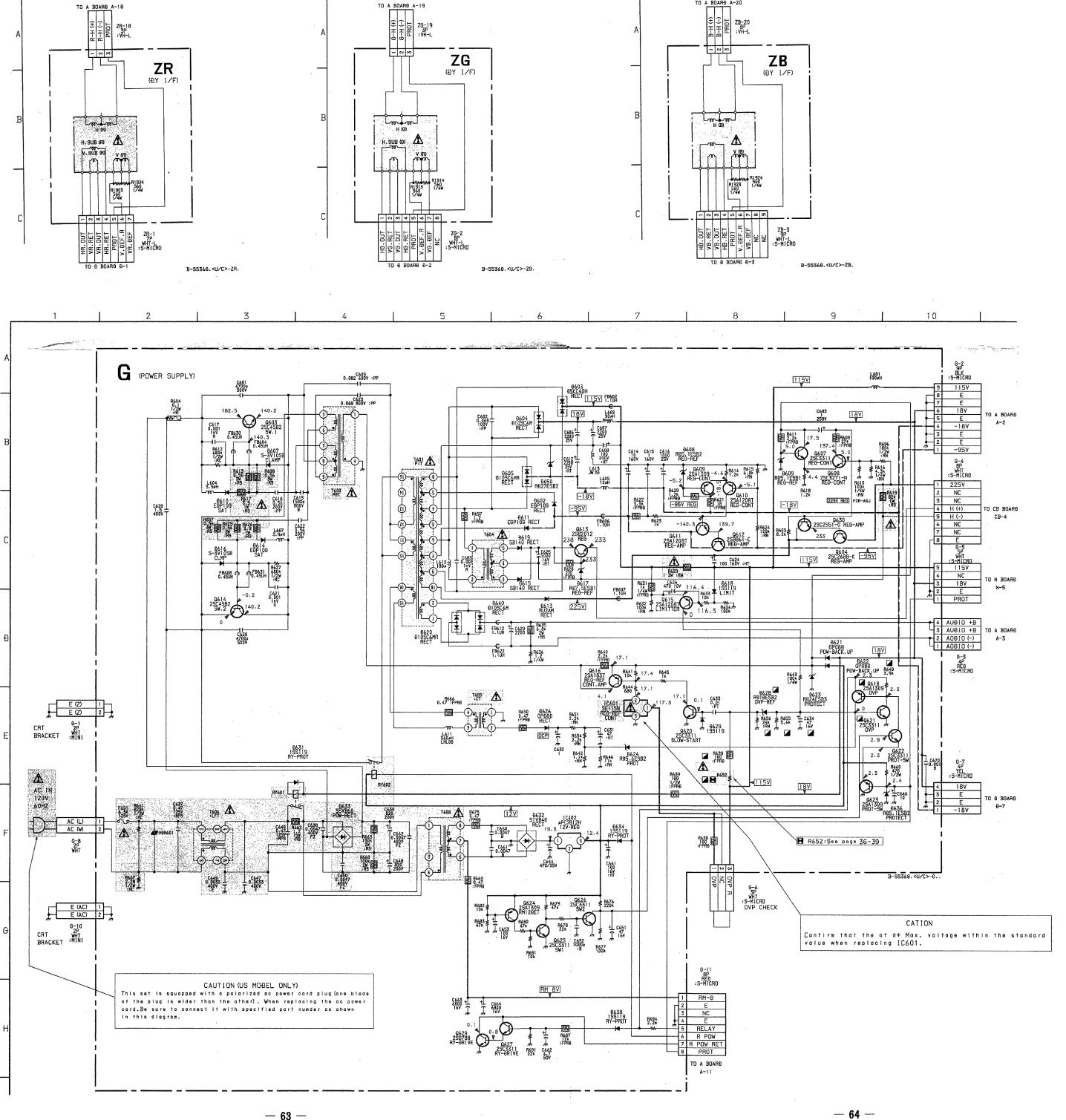
Note: Les composants identifiés per un tramé et une marque A sont critiques pour la sécurité. Ne les spécifié.

Le symbole indique une fusible a action rapide. Doit etre remplacee par une fusible de meme yaleur, comme maque.

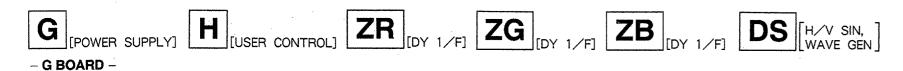
Schematic diagrams

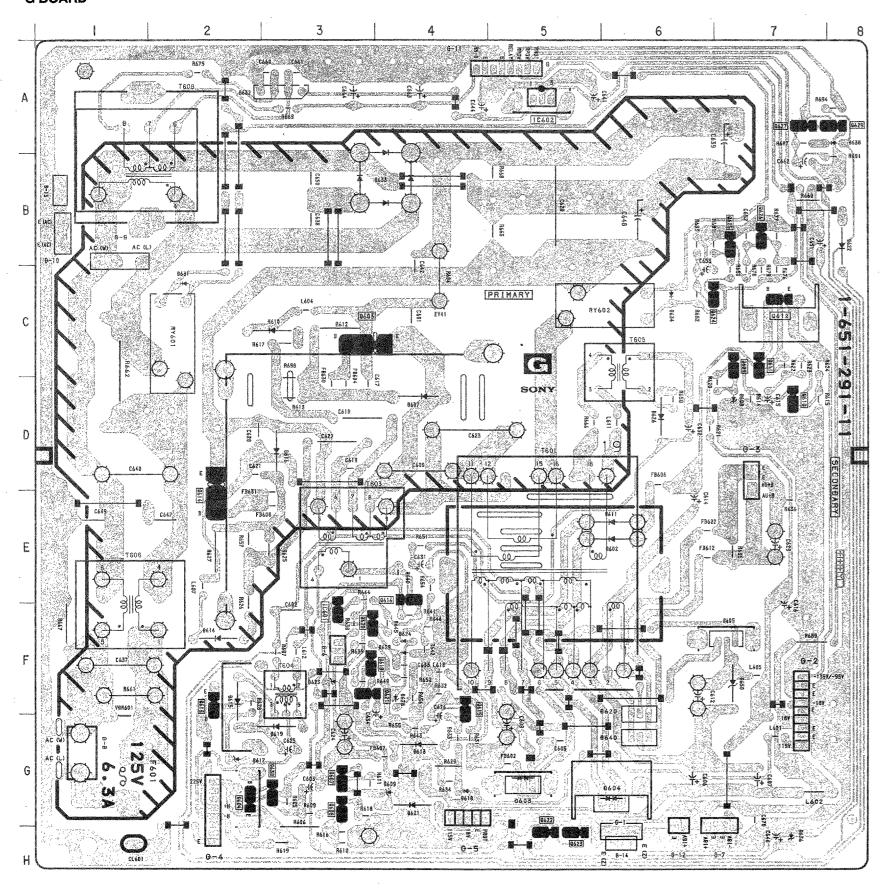
DS G H

ZB ZG ZR boards →



Schematic diagrams

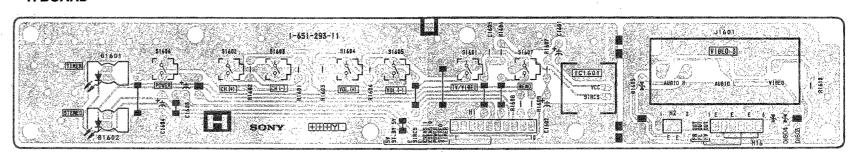




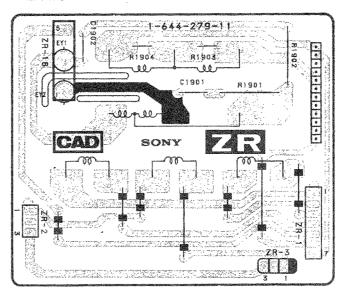
G BOARD

IC		DI	ODE	
IC601	F – 3	D602	E-6	
10602	A – 5	D603	G-5	
		D604	G-6	
		D605	F-7	
		D607	D - 4	
		D608	D-7	
		D609	G – 4	
TRAN	SISTOR	D610	C - 3	
		D611	E-6	
Q603	C-3	D613	G – 4	-
Q604	G – 2 G – 3	D614	F-2	-
Q607	G-3 G-3	D615	F-3	
Q608 Q609	C-7	D616	D-3	
Q610	D-7	D617	G – 2	
Q610 Q611	C-7	D618	G – 4	
0612	C-7	D619	G-3	
Q613	F-2	D620	F-6	-
0614	E-2	D621	G – 4	
Q615	F-4	D622	B – 7	
Q616	E-4	D623	F-3	
Q618	F-3	D624	F – 4	
Q620	F-3	D626	D-6	
Q621	F-3	D628	F – 4	
0622	G-5	D629	F – 4	
Q623	G-5	D631	C - 2	
Q624	C-6	D632	A - 3	-
0625	B-7	D633	B-3	-
Q626	B-7	D634	C-6	-
Q627	A-7	D636	G - 7	***************************************
Q629	A-7	D638	A – 7	
Q630	G-3	D640	G - 6	
4000		D650	F-7	

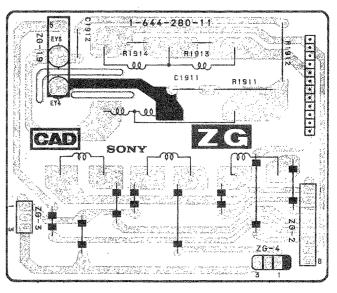
- H BOARD -



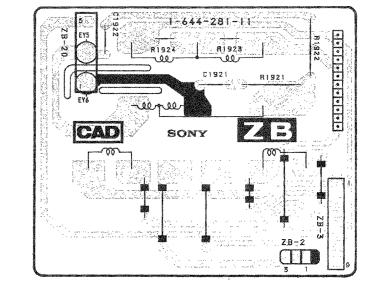
– ZR BOARD –



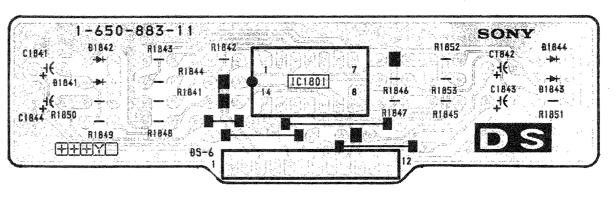
- ZG BOARD -



– ZB BOARD –



- DS BOARD -



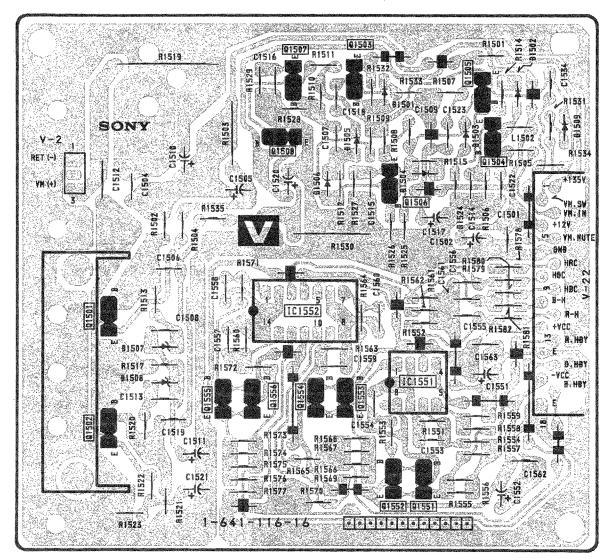
KP-46S55/53S55 RM-Y125

KP-46S55/53S55 RM-Y125

[R. G. B CENT (H)]

A [YCJ/SHR/P IN P, MICRO COM./AUDIO SHADING/H. DEF]

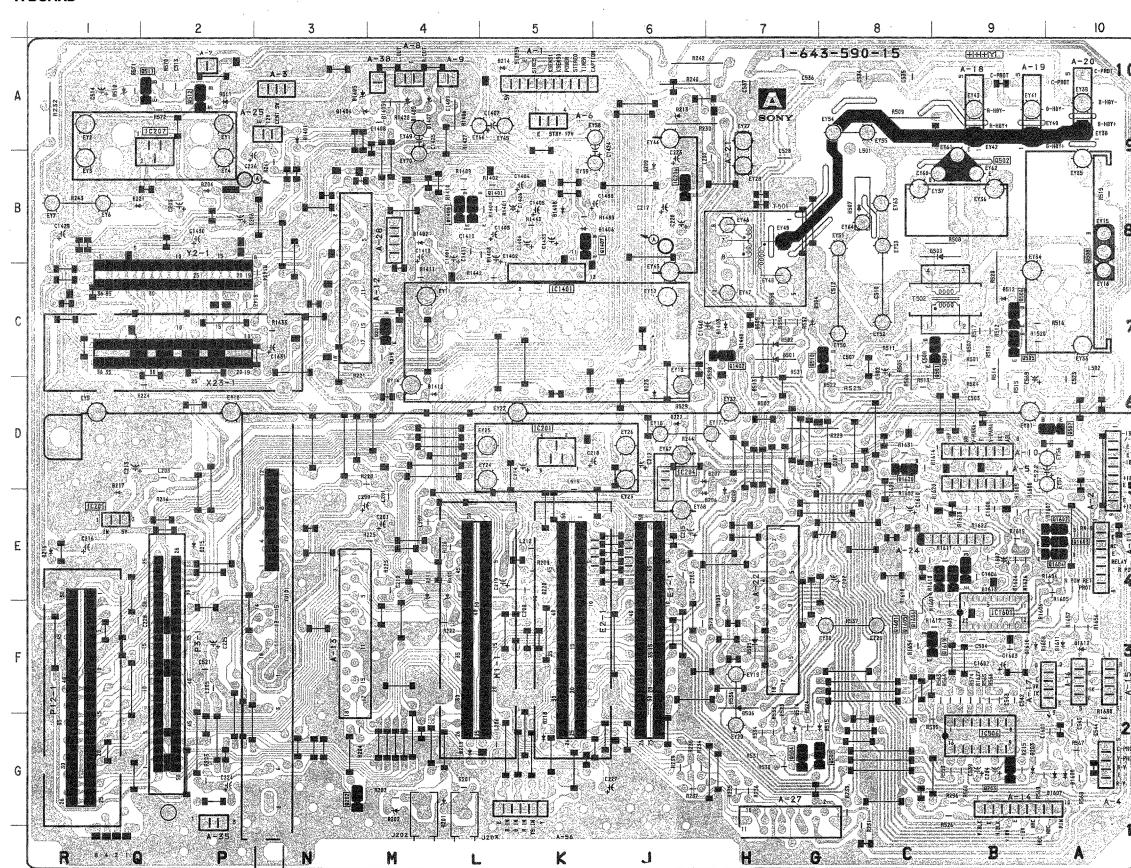
- V BOARD -

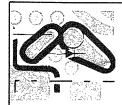


A BOARD

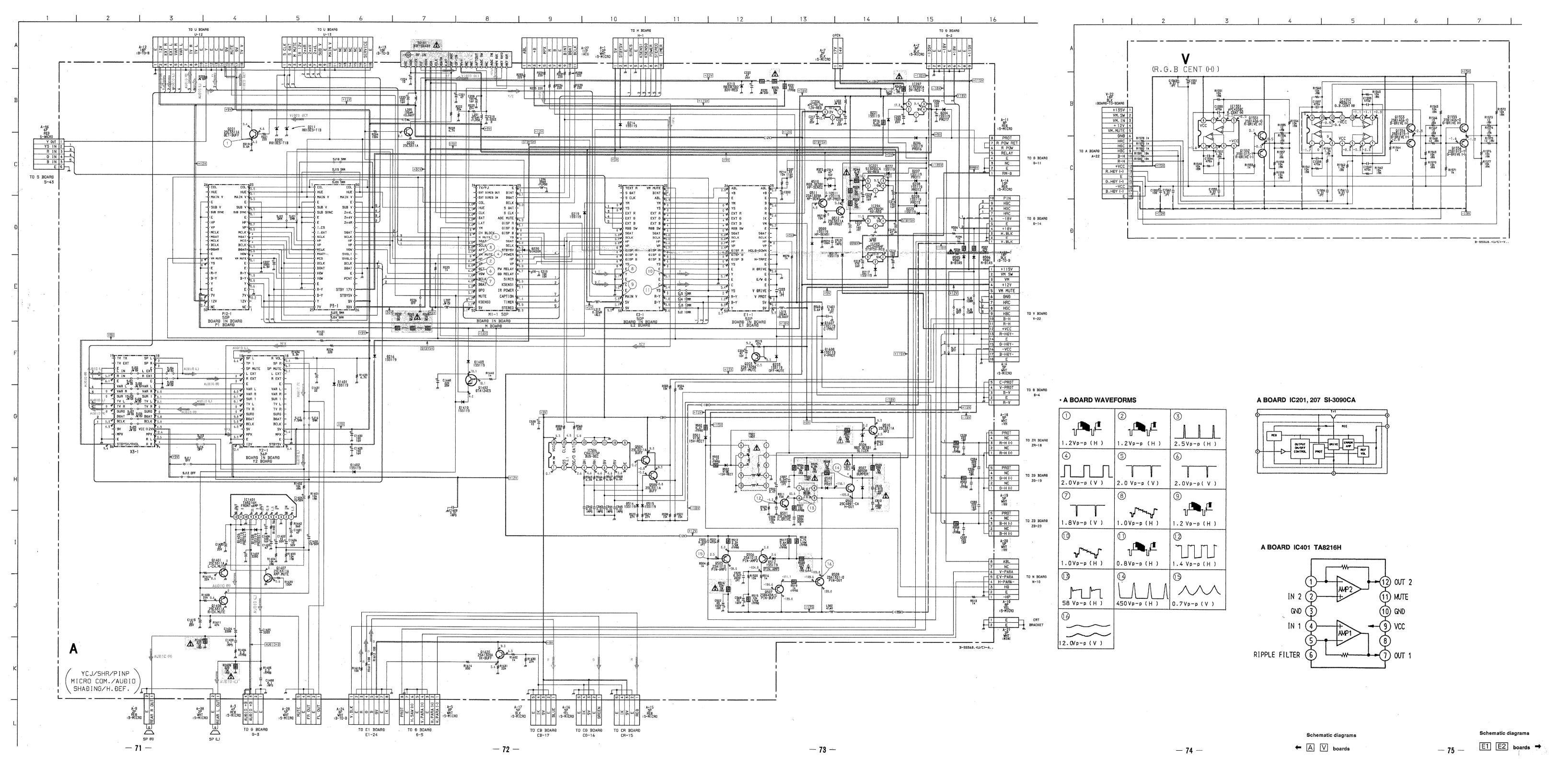
	·
IC	DIODE
IC201 D - 5	D203 G-9
IC204 D-6	D204 B-2
IC205 E - 1	D205 E-4
IC206 B-6	D206 D-7
IC207 A - 2	D207 D-7
1C506 G - 9	D208 E-7
IC1401 C-5	D209 B-6
IC1601 F-9	D211 E-4
	D213 A-6
	D214 A-5
	D216 E-1
	D217 E-1
TDANIOIOTOD	D219 G-5
TRANSISTOR	D220 E-5
Q201 C-4	D221 B - 1
Q202 G-3	D222 D-6
Q203 G-9	D223 D-6
Q501 C-9	D501 C-7
Q502 B - 9	D502 C-7
Q504 G-7	D503 B-9
Q505 . C-9	D504 C-7
Q506 C-9	D505 F-7
Q507 D - 10	D506 F-7
Q508 B - 10	D507 B-8
Q509 G-8	D509 C-7
Q510 C-8	D510 A-1
Q511 A – 2	D511 A'-1
Q512 A - 2	D512 C-9
Q1401 B-2	D513 D-7
Q1402 C-7	D514 G-7
Q1407 B-5	D515 G-8
Q1408 B-4	D1401 A - 3
Q1601 E-9	D1402 B-4
Q1602 E - 10	D1403 C-7
Q1603 E-10	D1406 B-5
Q1604 E - 10	D1408 B-5
Q1605 E-9	D1410 D-4
Q1606 E-9	D1607 G - 10
Q1620 D-8	D1608 G-10

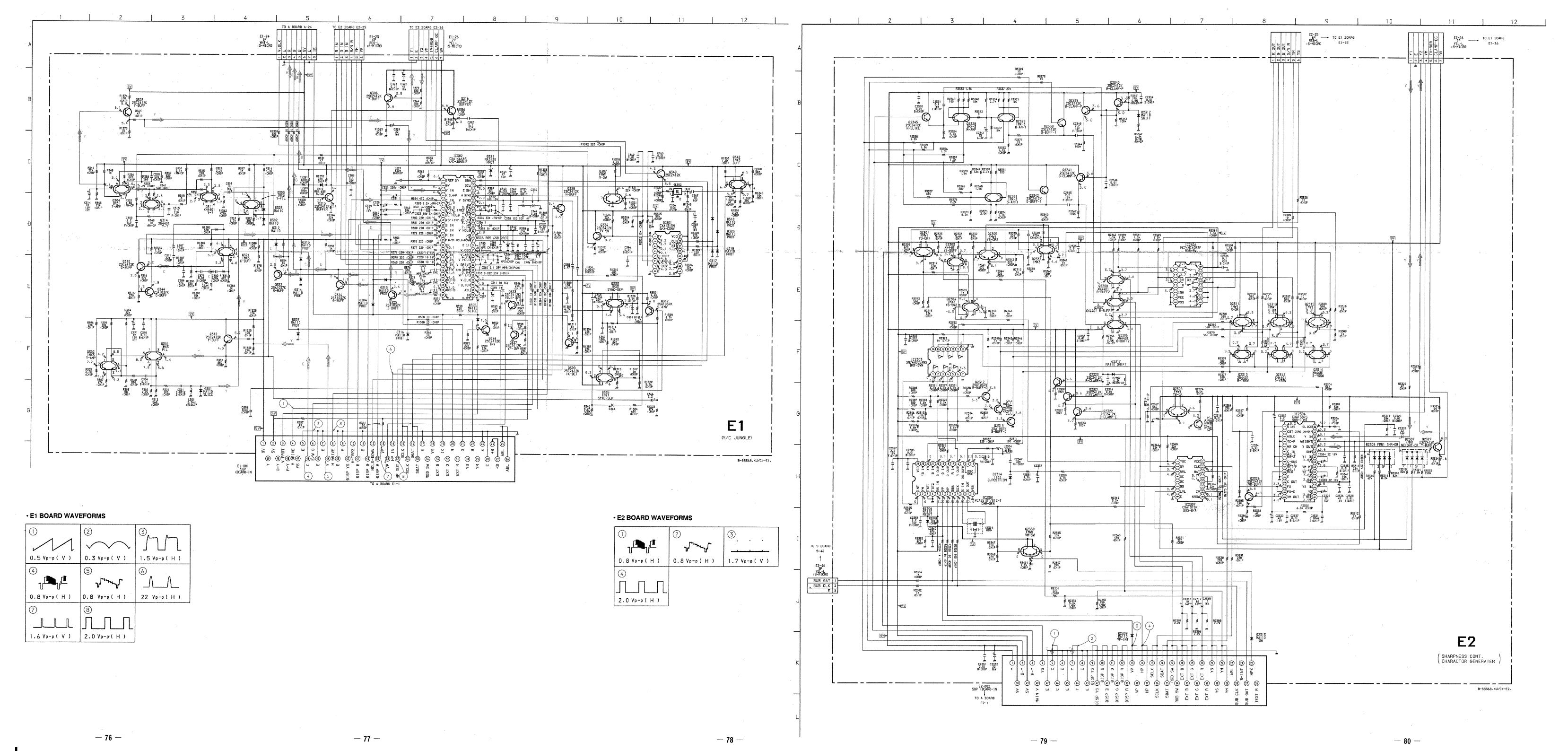
- A BOARD -



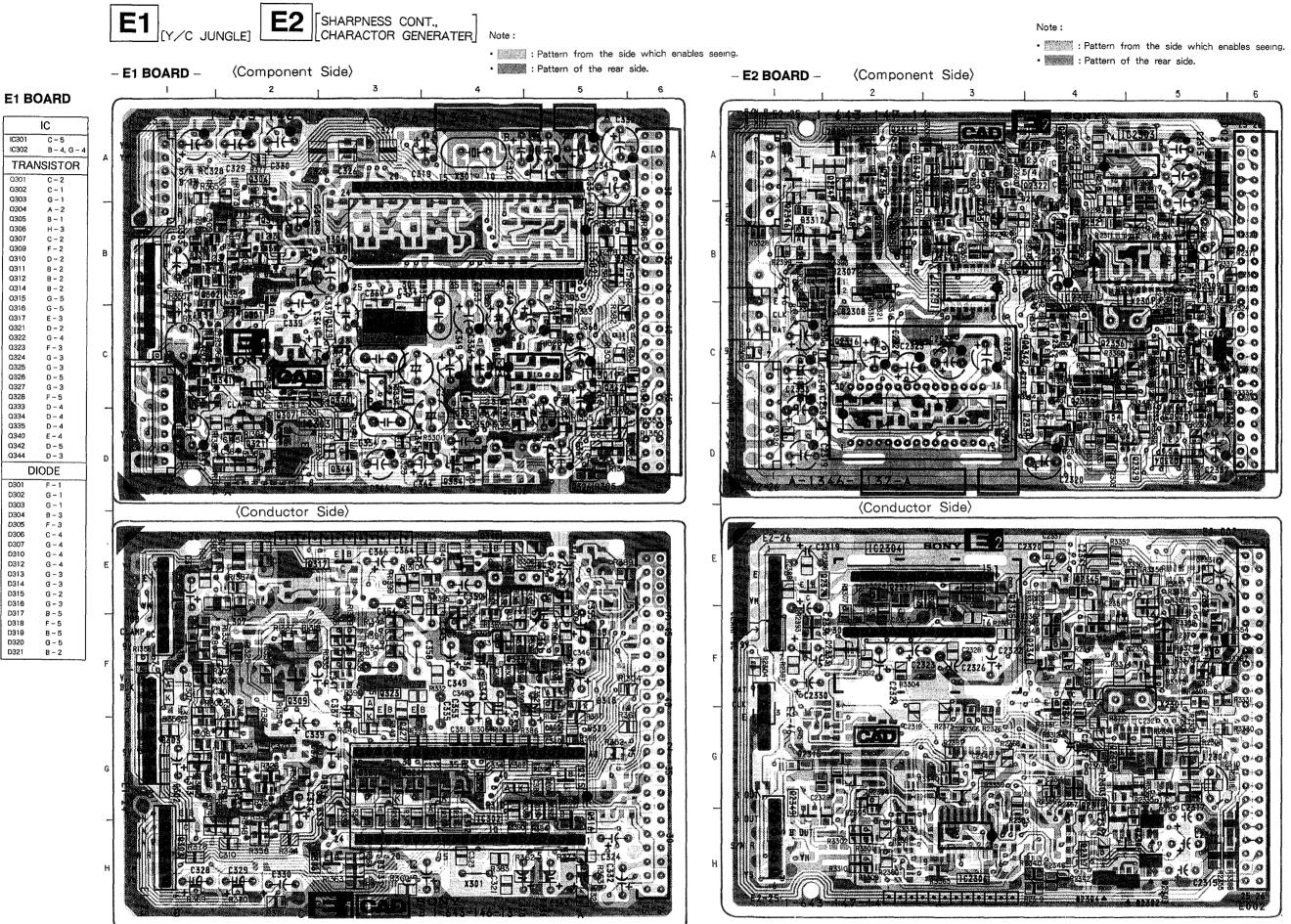


NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in nspection or repairing.





KP-46S55/53S55 RM-Y125



	IC
IC2301	B - 4
IC2303	A - 5
IC2304	D - 3, E - 2
1C2306	H - 3
IC2307	B - 3
TRAN	SISTOR
Q2301	C-5
Q2303	C - 5
Q2304	D - 5
Q2305	C - 5
Q2306	A - 3
Q2307	8 – 4
Q2308	A 3
Q2309	B - 2
Q2310	A – 2
Q2311	A - 2
02312	A - 2
Q2313	A - 2
02314	A - 2
Q2315	A - 2
Q2317	H – 4
Q2318	G - 4
Q2319	G – 5
Q2320	A – 4
02321	A - 4
Q2322	A - 4
02324	B - 3
02326	E 1
Q2327	E – 2
Q2330	C - 4
Q2337	B - 3
Q2339	F - 4
Q2340	F – 4
02341	F – 4
DI	ODE
D2306	C-5
D2307	B - 2
กรรดล	B - 2

D2309 D2312 D2313

D2317

C - 4 .C - 4

D2314 B-5

5

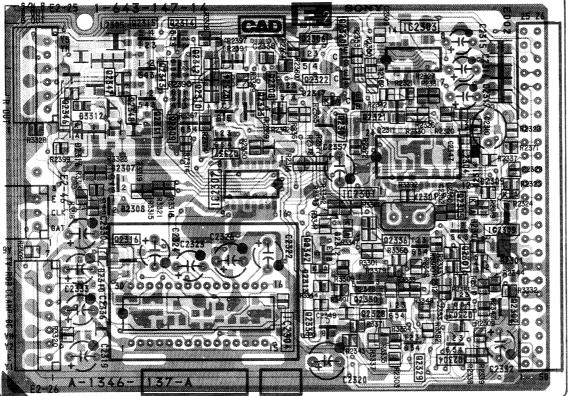
nables seeing.

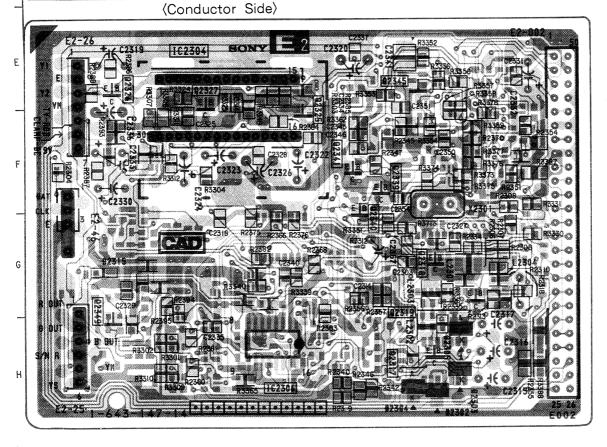
· D

Note:

- Pattern from the side which enables seeing.
- Pattern of the rear side.

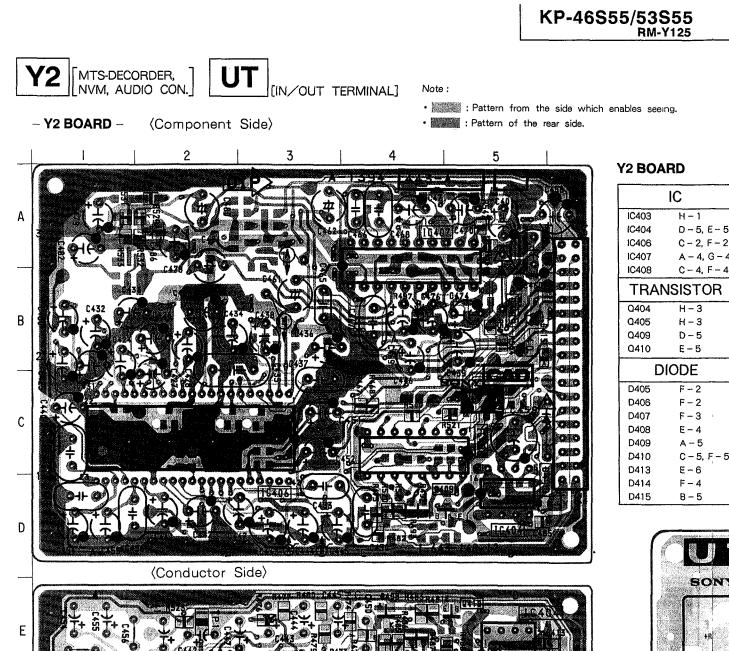
- **E2 BOARD** - ⟨Component Side⟩

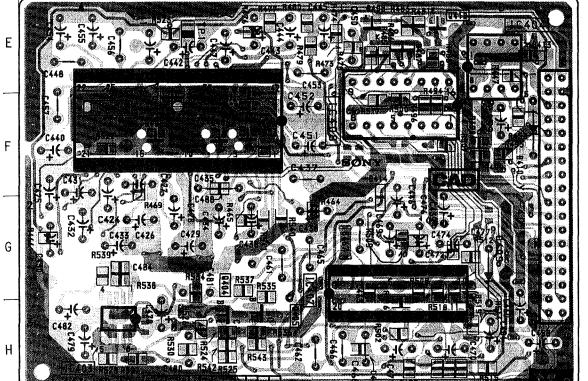


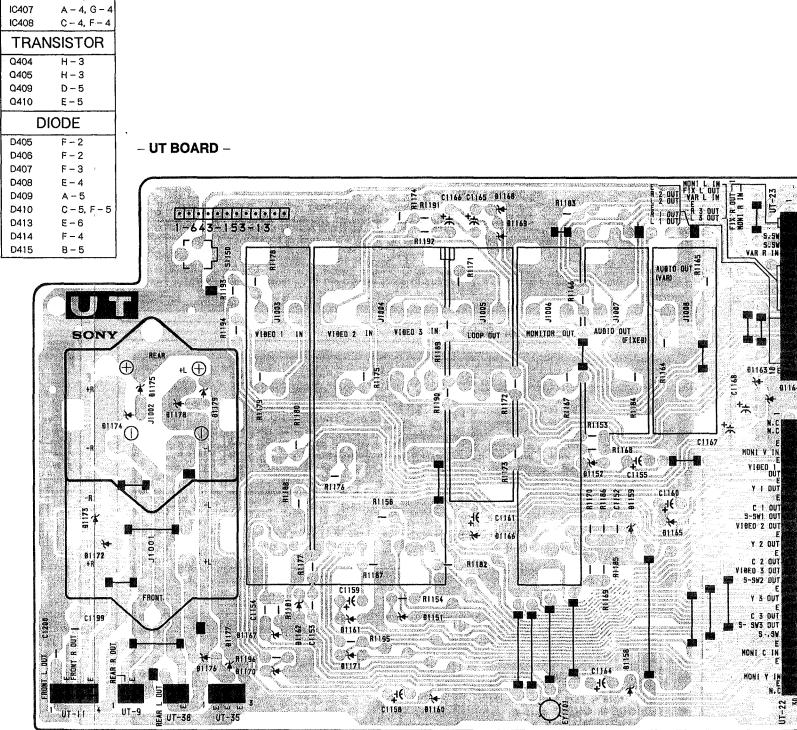


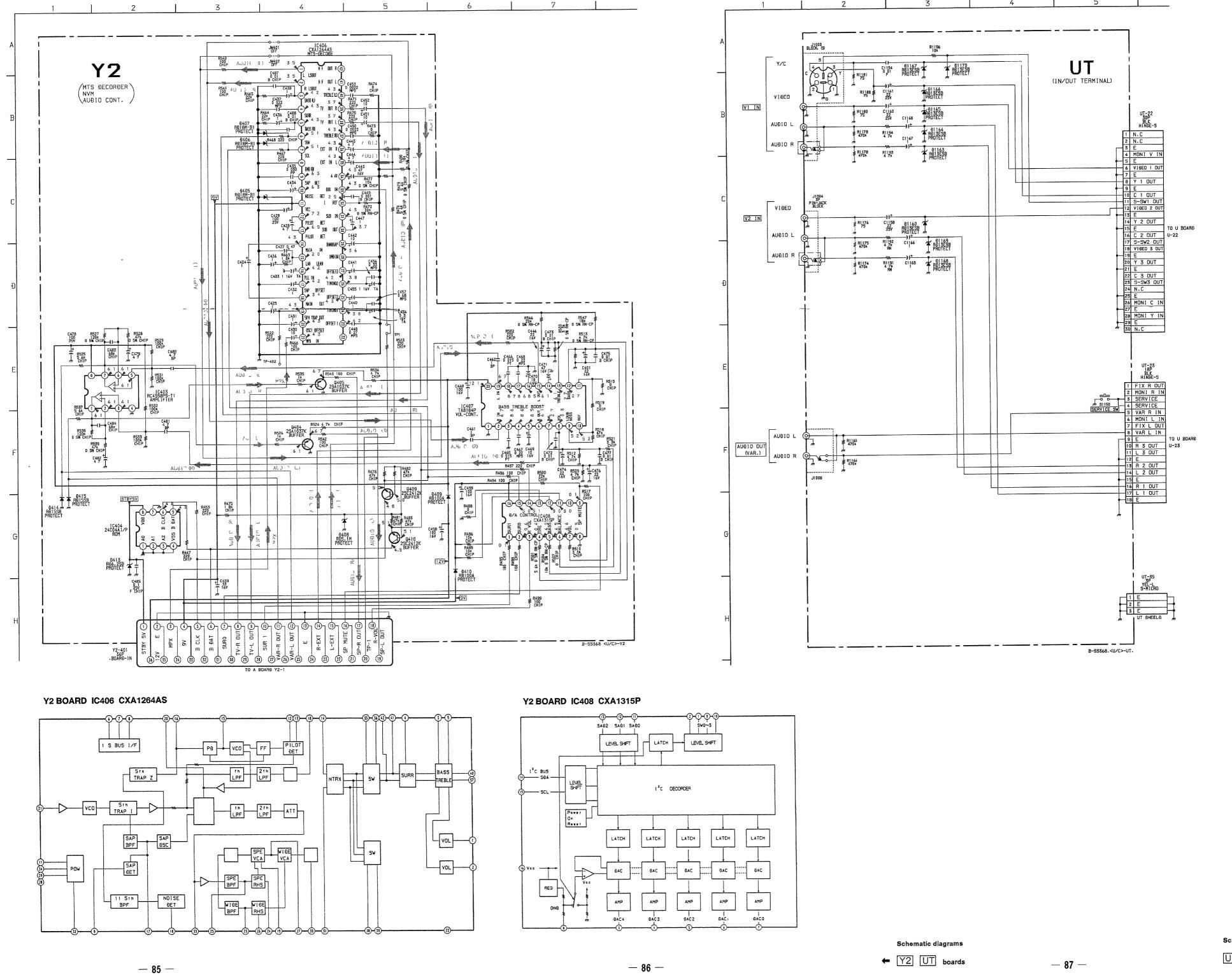
E2 BOARD

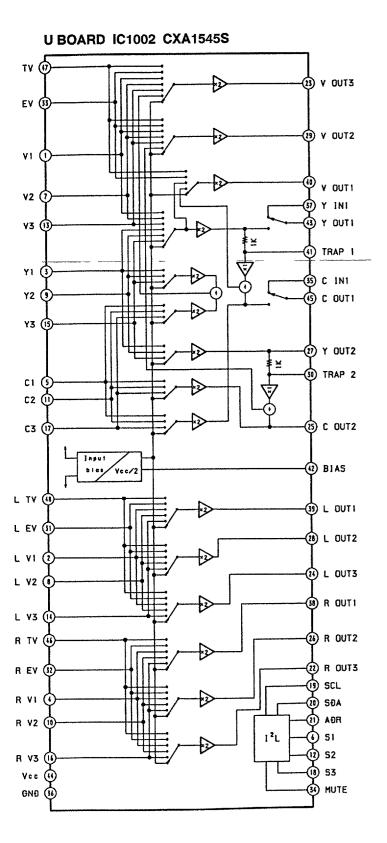
IC
IC2303
C2304
IC2306
TRANSISTOR 02301
TRANSISTOR 02301
02301
02303
02304 D - 5 02305 C - 5 02306 A - 3 02307 B - 4 02308 A - 3 02309 B - 2 02310 A - 2 02311 A - 2 02312 A - 2
02305 C - 5 02306 A - 3 02307 B - 4 02308 A - 3 02309 B - 2 02310 A - 2 02311 A - 2 02312 A - 2
Q2306 A - 3 Q2307 B - 4 Q2308 A - 3 Q2309 B - 2 Q2310 A - 2 Q2311 A - 2 Q2312 A - 2
O2307 B - 4 O2308 A - 3 O2309 B - 2 O2310 A - 2 O2311 A - 2 O2312 A - 2
Q2308 A - 3 Q2309 B - 2 Q2310 A - 2 Q2311 A - 2 Q2312 A - 2
Q2309 B - 2 Q2310 A - 2 Q2311 A - 2 Q2312 A - 2
Q2310 A = 2 Q2311 A = 2 Q2312 A = 2
Q2311 A - 2 Q2312 A - 2
Q2312 A - 2
Q2314 A - 2
Q2315 A - 2
Q2317 H - 4
Q2318 G - 4 Q2319 G - 5
Q2321 A - 4 Q2322 A - 4
Q2324 B - 3
Q2324 B - 3
Q2327 E - 2
Q2330 C-4
Q2337 B - 3
Q2339 F-4
Q2340 F - 4
Q2341 F - 4
DIODE
D2306 C-5
D2307 B - 2
D2308 B - 2
D2309 B - 5
D2312 C-4
D2313 C-4
D2314 B-5
D2317 A - 4



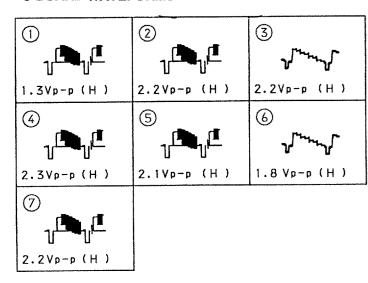


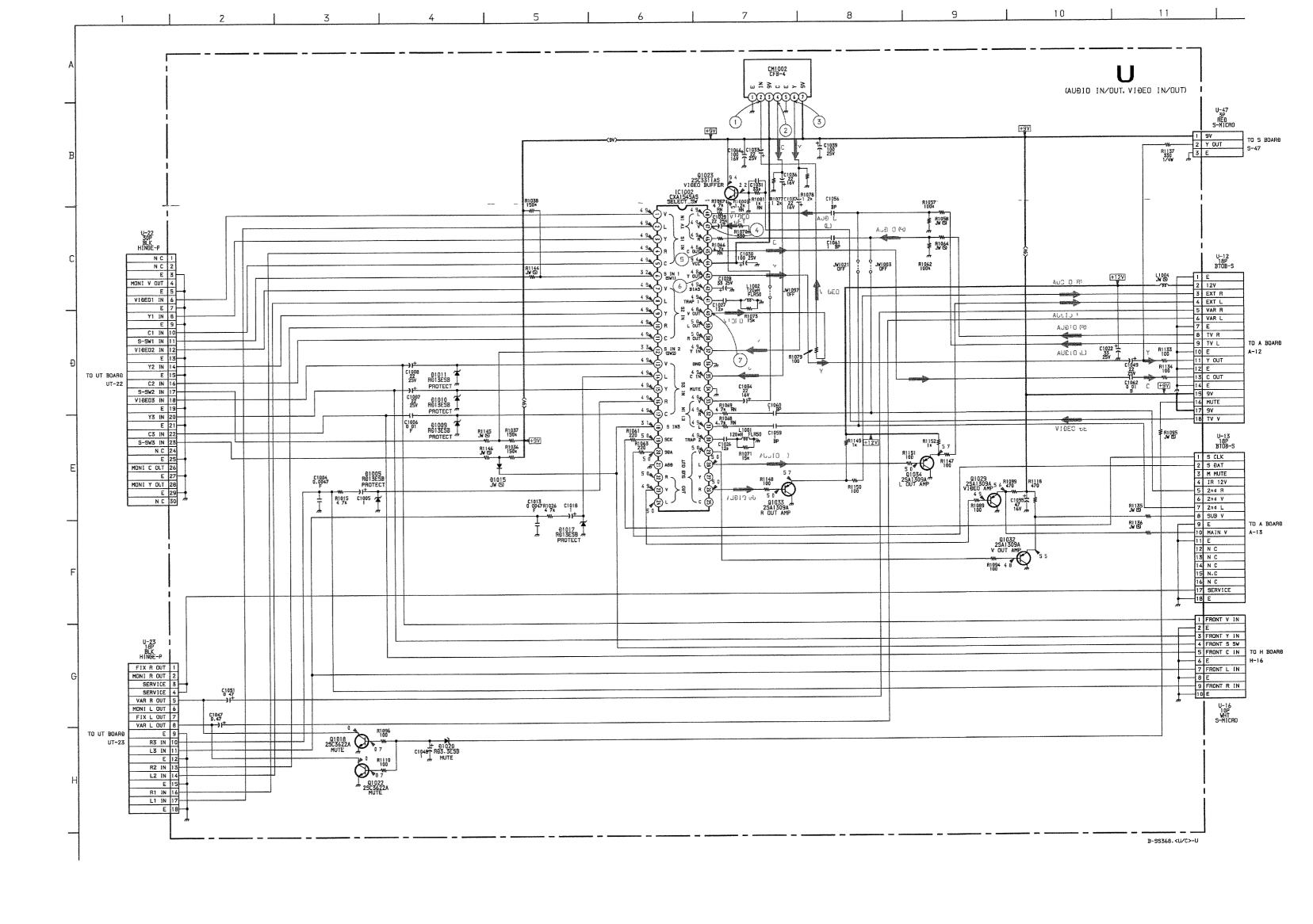


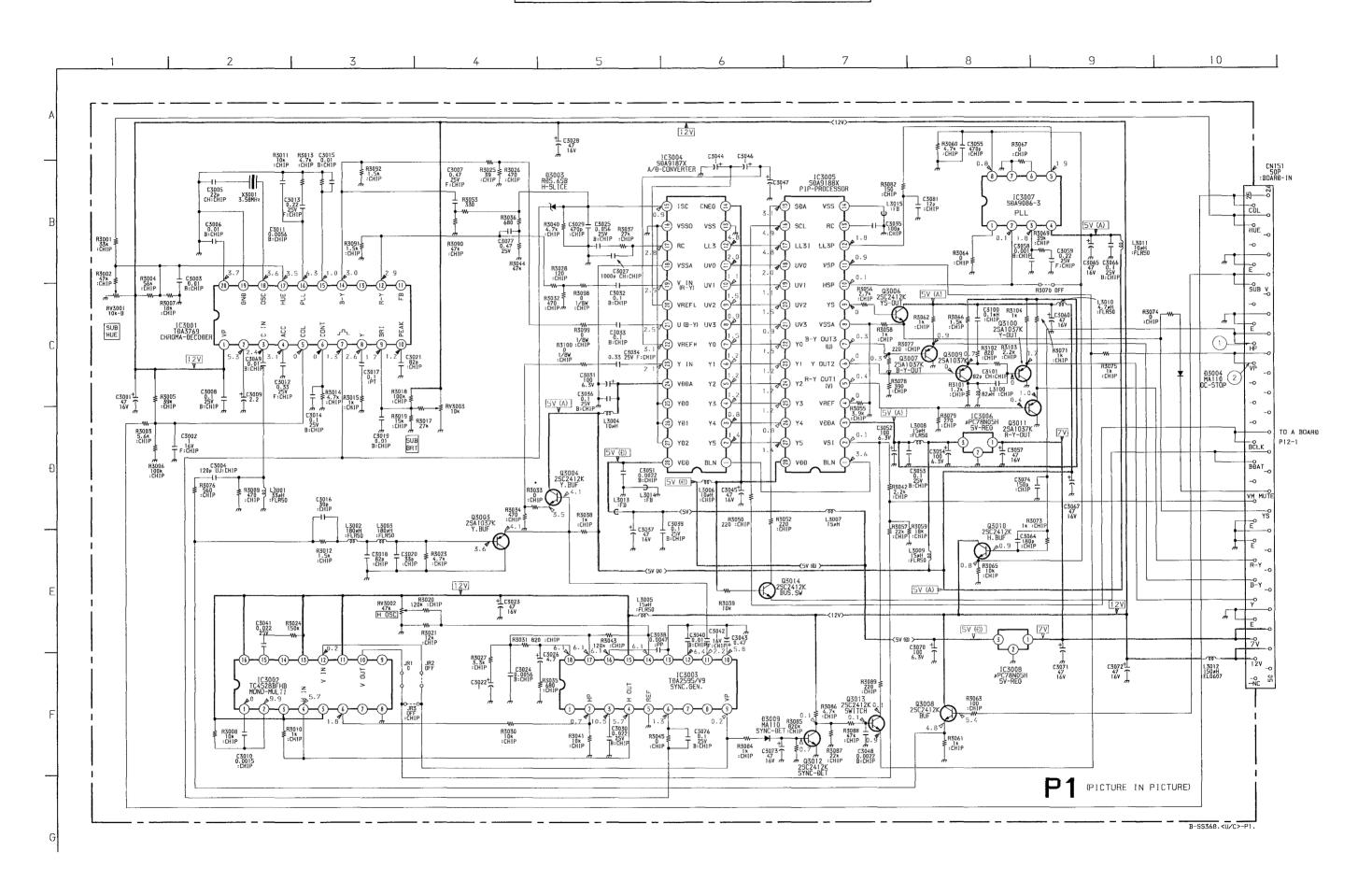


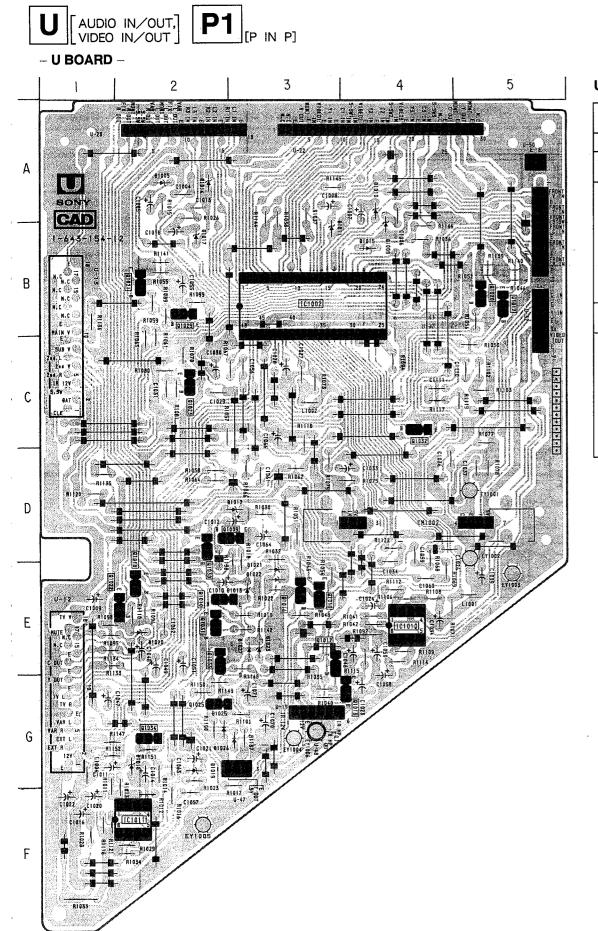


• U BOARD WAVEFORMS









U BOARD

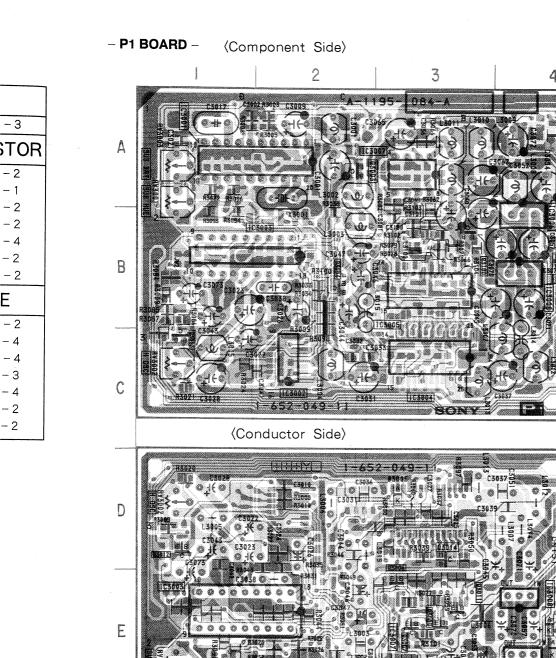
İ	С
IC1002	B – 3
TRANS	SISTOR
Q1018	E - 2
Q1022	E – 1
Q1023	C - 2
Q1029	B - 2
Q1032	C - 4
Q1033	E – 2
Q1034	G – 2
DIC	DDE
D1005	A – 2
D1009	B - 4
D1010	A – 4
D1011	B - 3
D1015	B – 4
D1017	B - 2
D1020	E – 2

– P1 BOARD – (Component Side) (Conductor Side) D

Note:

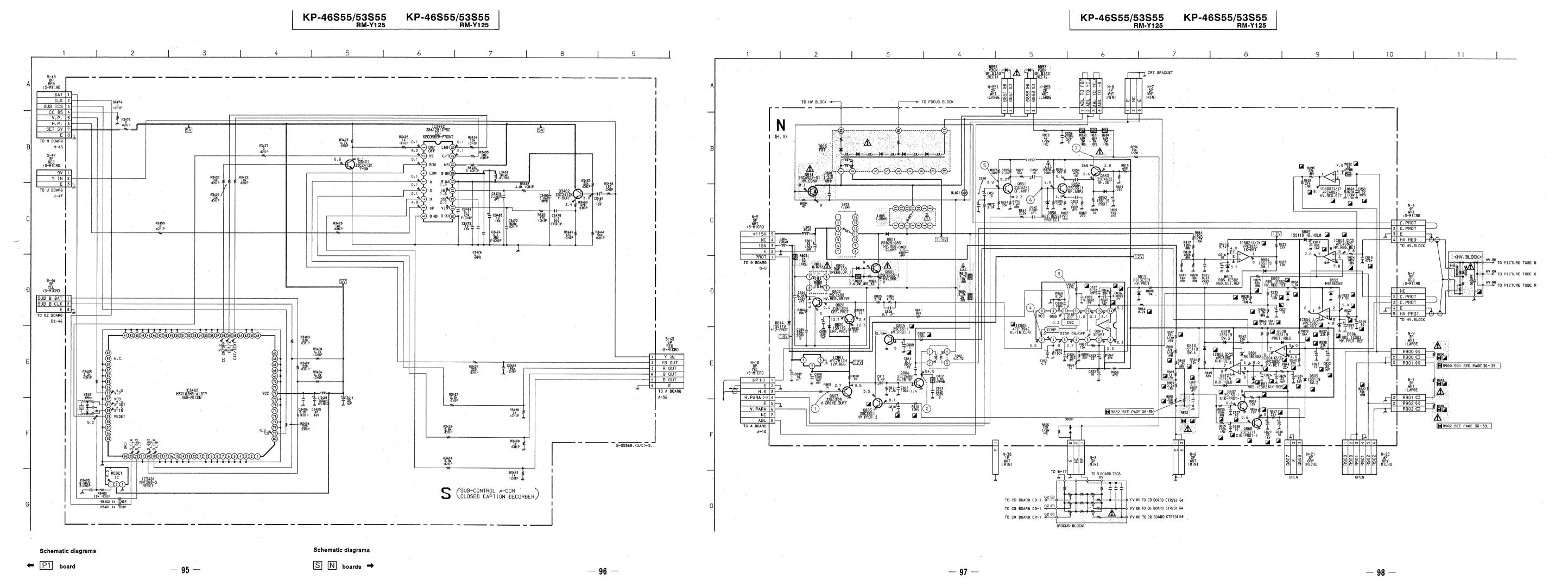
- · Pattern from the side which enables seeing.
- Pattern of the rear side.

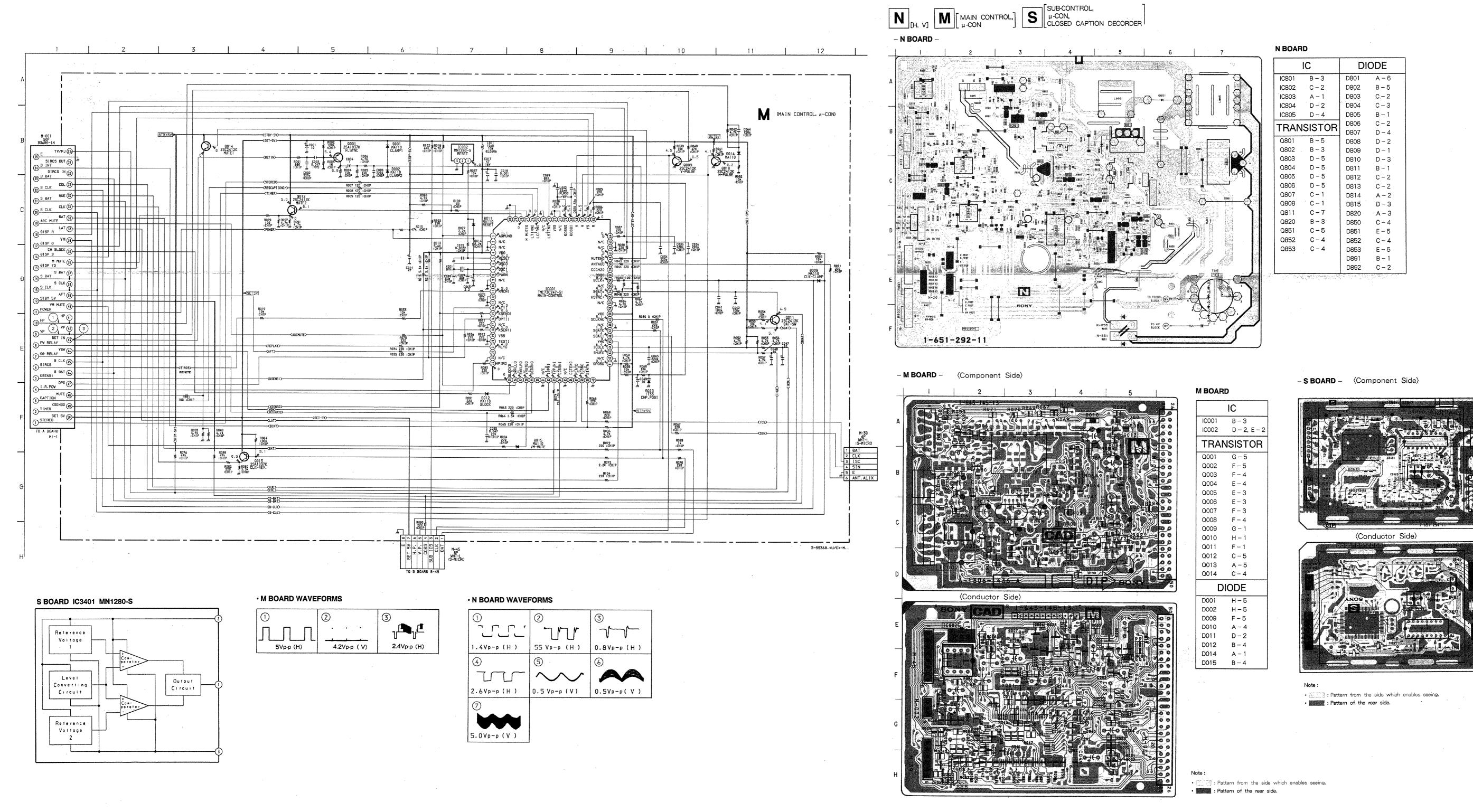
S55 -Y125

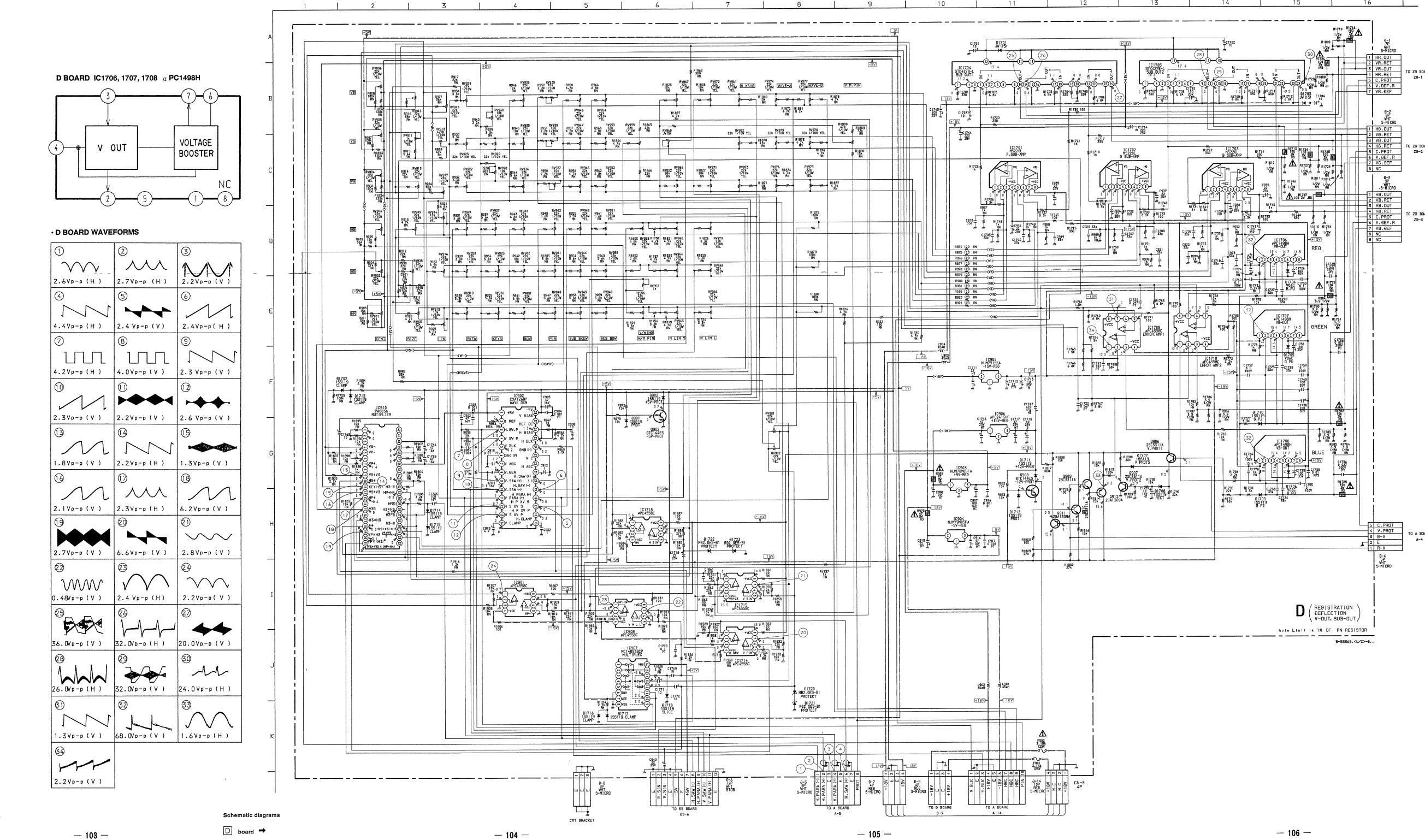


Note:

- · Pattern from the side which enables seeing.
- Pattern of the rear side.

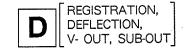


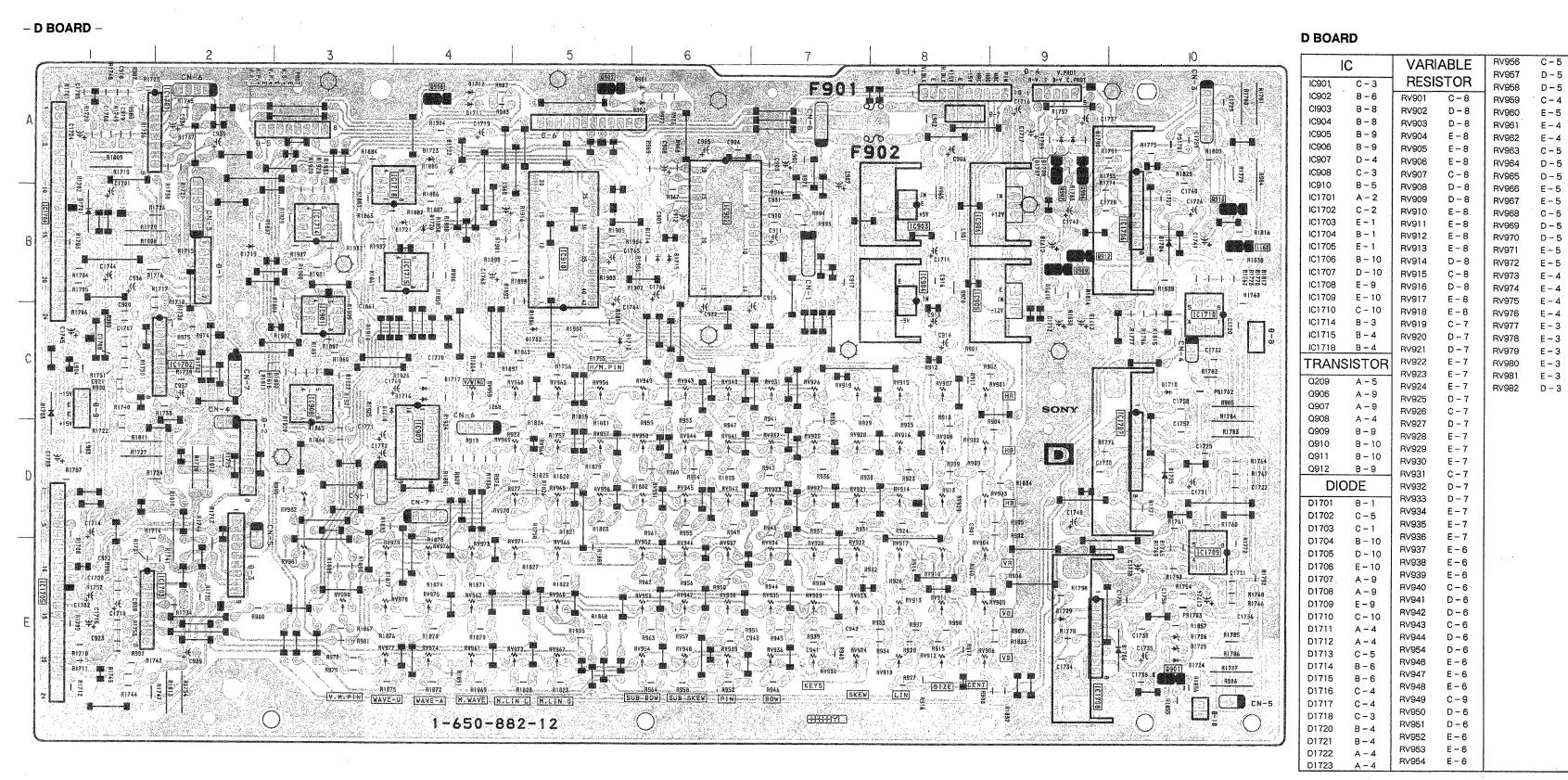




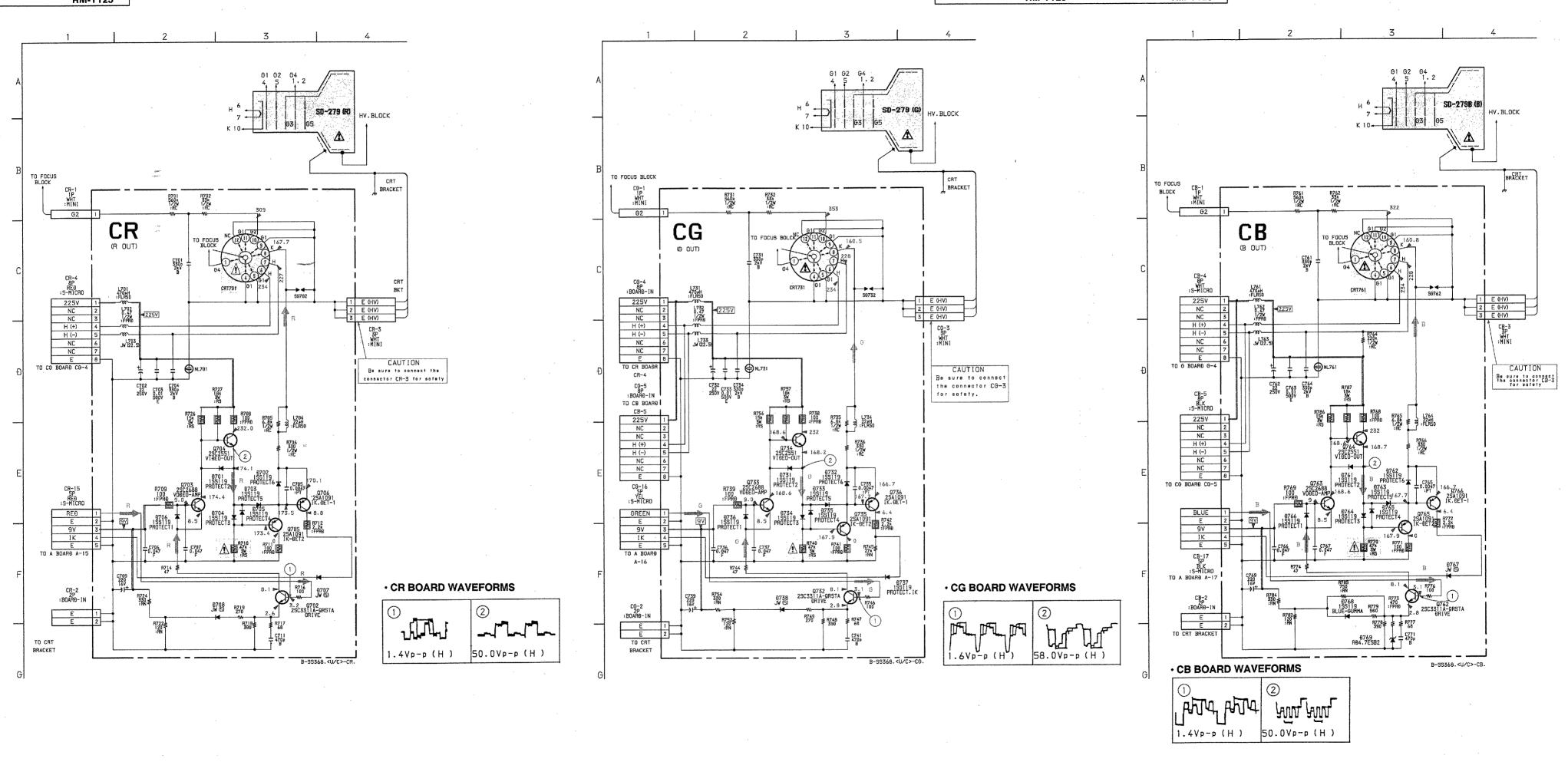
Schematic diagrams ← M board

D board →



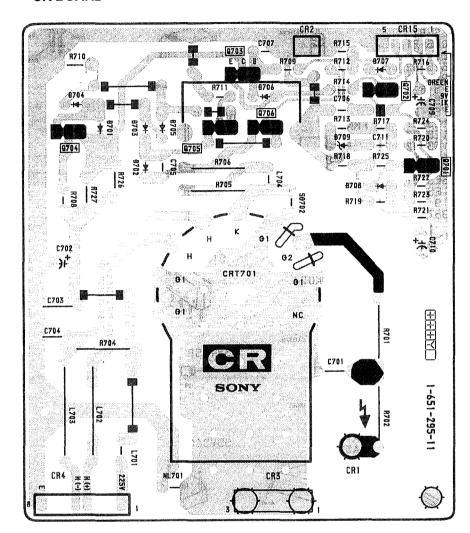


— 109 —

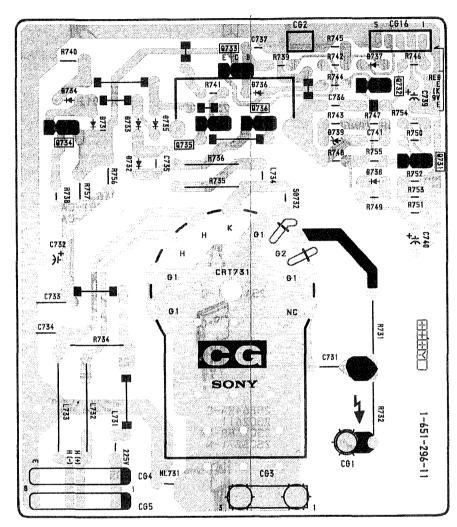




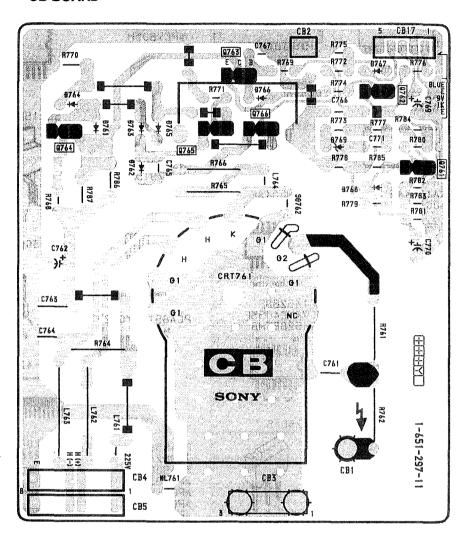
- CR BOARD -



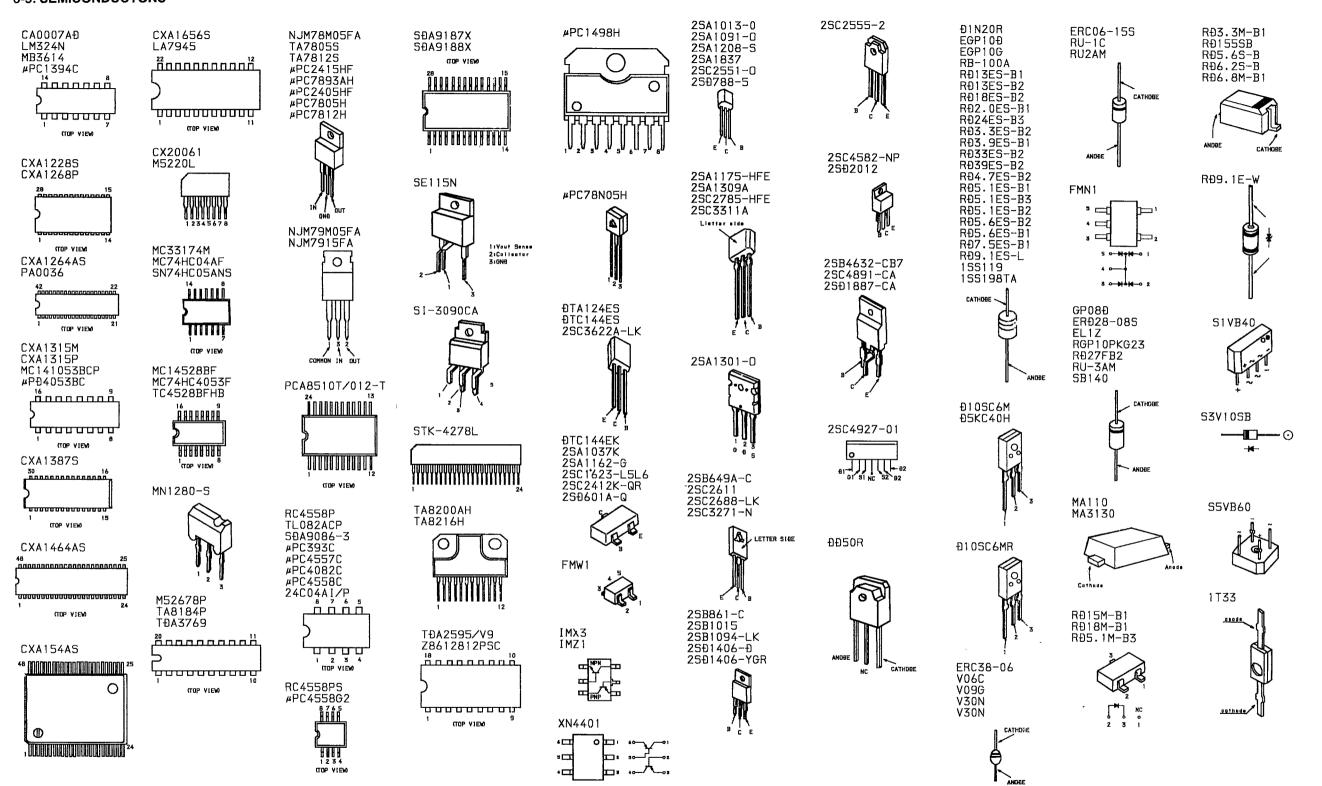
- CG BOARD -



- CB BOARD -



6-5. SEMICONDUCTONS



TLR124

SECTION 7 EXPLODED VIEWS

- NOTE:
 Items with no part number and no description are not stocked because they are seldom required for routine service.
- · The construction parts of an assembled part are indicated with a collation
- number in the remark column.

 Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

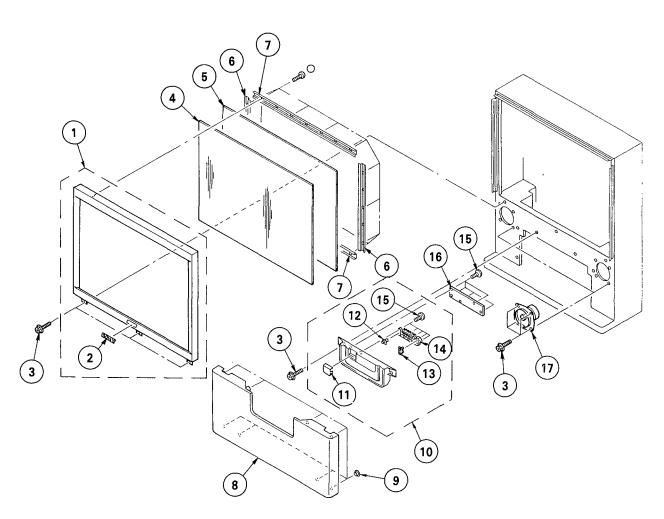
cal for safety

Replace only with part number specified

Les composants identifies par une trame et une marque 🛕 sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie

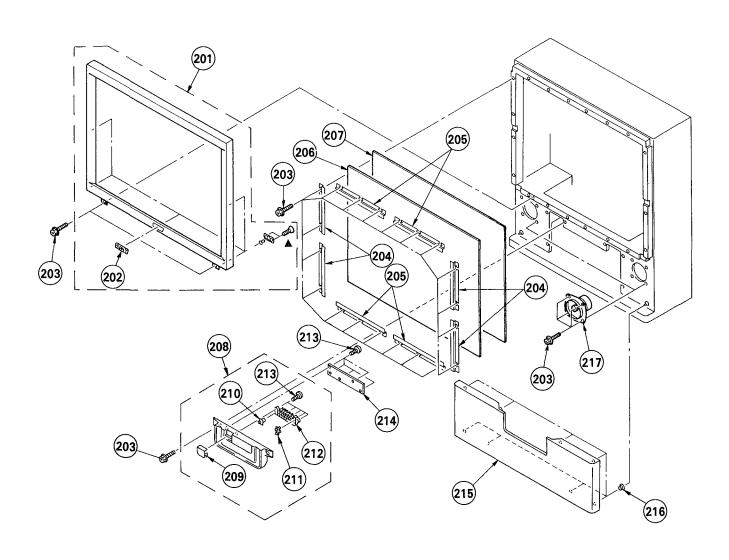
7-1-1. SCREEN FRAME AND CONTROL PANEL (KP-46S55 only)

O: BVTP4 × 12 7-685-661-79



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	EMBLEM (NO.10), SONY SCREW (4X20), TAPPING PLATE (L), DIFFUSION PLATE (F), DIFFUSION HOLDER (S), SCREEN HOLDER (L), SCREEN	2	10 11 12 13 14 15 16 17	X-4031-690-1 4-043-782-01 4-043-777-01 4-043-779-01 4-043-786-01 4-041-165-01 *1-651-293-11 1-504-533-11	PANEL ASSY, CONTROL LID, CONTROL FILTER, REMOTE GUIDE, LED BUTTON, CONTROL SCREW (3X12), TAPPING, +BV H BOARD SPEAKER (16CM)	11-15

7-1-2. SCREEN FRAME AND CONTROL PANEL (KP-53S55 only) \blacktriangle : KTP3 \times 10 $\,$ 7-685-247-14

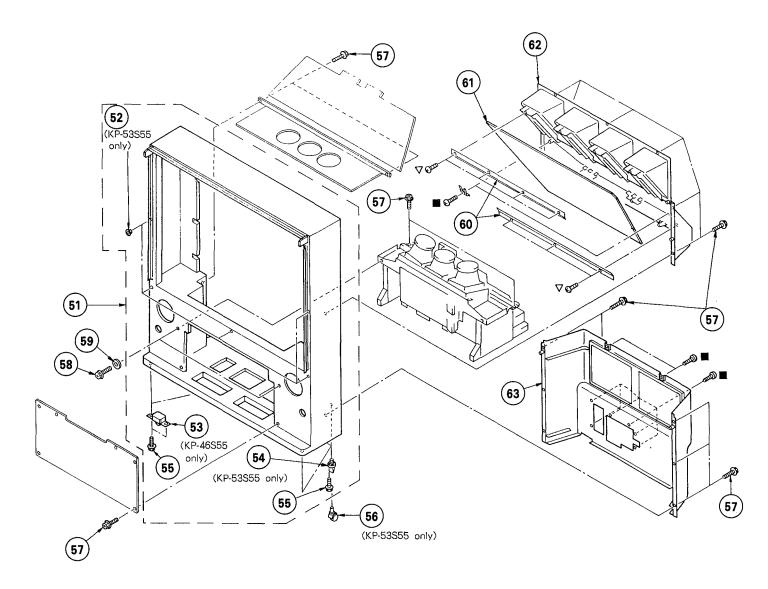


REF.NO	. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
201 202 203 204 205	X-4031-764-1 4-381-079-01 4-041-164-11 *4-036-499-11 *4-036-498-11		202	210 211 212 213 214	4-043-777-01 4-043-779-01 4-043-786-01 4-041-165-01 *1-651-293-11	FILTER, REMOTE GUIDE, LED BUTTON, CONTROL SCREW (3X12), TAPPING, +BV H BOARD	
206 207 208 209	4-036-466-01 4-036-469-01 X-4031-690-1 4-043-782-01		209-213	215 216 217	X-4031-763-1 4-838-438-00 1-504-533-11	GRILLE ASSY, SPEAKER LATCH SPEAKER (16CM)	

7-2. CABINET

■: TAPPING SCREW (DIA. 4 × 16) 3-703-251-11

∇: TAPPING SCREW (DIA. 4 × 12) 3-703-251-21

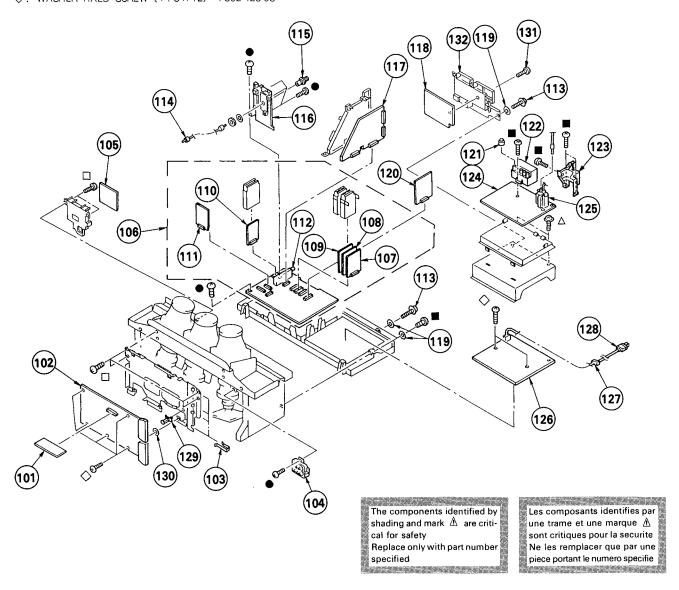


REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO	. PART NO.	DESCRIPTION	REMARK
51 52 53 54	X-4031-691-1 X-4031-762-1 4-838-438-00 4-040-755-01 4-030-850-01	CABINET ASSY (KP-46S55) CABINET ASSY (KP-53S55) LATCH (KP-53S55) CASTER (DIA. 30) (KP-46S55) SOCKET, CASTER (KP-53S55)	53,55 52,54,55	58 59 60 61	4-378-522-11 4-042-666-01 *4-037-351-01 4-037-349-01 4-037-534-01	SCREW, TAPPING, HEXAGON HEAD WASHER HOLDER, MIRROR MIRROR (53), REFLECTION (KP-53S MIRROR (46), REFLECTION (KP-46S	
55 56 57	4-041-164-01 4-032-343-11 4-041-164-11	SCREW (4X20), TAPPING CASTER (KP-53S55) SCREW (4X20), TAPPING		62 63	4-036-462-01 4-036-474-01 X-4030-549-1	COVER (46"), MIRROR (KP-46S55) COVER (53"), MIRROR (KP-53S55) COVER ASSY, BACK	

7-3. CHASSIS

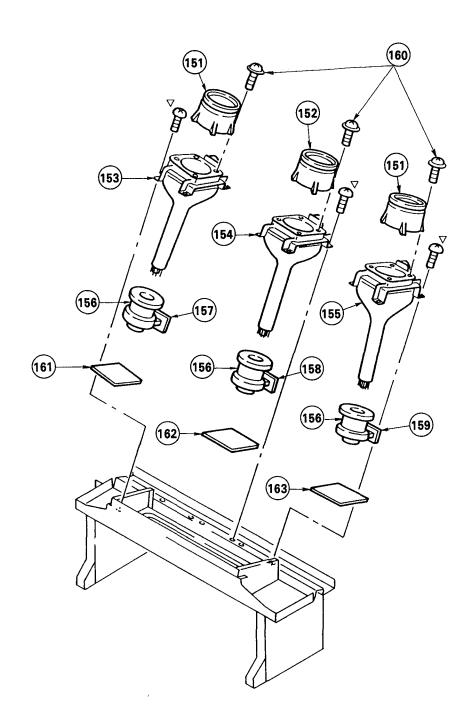
- ●: BVTP3 × 12 7-685-648-79 □: BVTP4 × 12 7-685-661-14 \triangle : PSW4 × 14 7-682-963-09
- ■: TAPPING SCREW (DIA. 4 × 16) 3-703-251-11

 ♦: WASHER HAED SCREW (+ P3 × 12) 4-302-428-03



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO	D. PART NO.	DESCRIPTION REMARK
103 *4-393-401-11 104 Å 1-241-744-11	DS BOARD D BOARD, COMPLETE SPRING, TRANSISTOR RESISTOR ASSY (HIGH-VOLTAGE) S BOARD, COMPLETE		117 118 119 120	*A-1373-461-A 4-039-112-01 4-042-667-01	U BOARD, COMPLETE UT BOARD, COPMPLETE WASHER, WAVE (KP-46S55) WASHER, WAVE (KP-53S55) V BOARD, COMPLETE
*A-1297-239-A 107 *A-1346-138-A 108 *A-1346-137-A	A BOARD, COMPLETE (KP-53S55) A BOARD, COMPLETE (KP-46S55) E1 BOARD, COMPLETE E2 BOARD, COMPLETE M BOARD, COMPLETE	107-111 107-111	123 124	A 1-453-108-11 4-034-482-01 *A-1390-415-A	CAP (Z), RUBBER DC BLOCK, HIGH-VOLTAGE COVER, FBT N BOARD, COMPLETE TRANSFORMER ASSY, FLYBACK (NX-2631//A4S)
	SCREW, TERMINAL		126 127 128 129 130		GROMMET, AC CORD CORD, POWER(WITH NOISE FILTER) 7.0A/125V SPACER, SUPPORT
115 1-561-306-00 116 4-036-137-01	JACK, PIN (F) PANEL, SUB CONNECTOR		131	4-041-165-01 4-036-138-01	SCREW (3X12), TAPPING, +BV PANEL, MAIN CONNECTOR

7-4. PICTURE TUBE∇: TAPPING SCREW (DIA 4 × 12) 3-703-251-21



REF.NO. PART NO. DESCRIPTION	REMARK	REF.NO	. PART NO.	DESCRIPTION	REMARK
151 4-034-057-01 LENS (LINNIT 152 4-034-057-11 LENS (LINNIT 153 A 8-736-074-05 PICTURE TUBL 154 A 8-736-072-05 PICTURE TUBL 155 A 8-736-073-05 PICTURE TUBL) 07MAB2(R) 07MAB2(G)	160	*A-1390-413-A *A-1390-414-A 3-701-810-91	ZR BOARD, COMPLETE ZG BOARD, COMPLETE ZB BOARD, COMPLETE SCREW, TERMINAL CR BOARD, COMPLETE	
156 ▲8-451-441-11 DEPLECTION Y	OKE Y829PA	162 163		CG BOARD, COMPLETE CB BOARD, COMPLETE	



SECTION 8 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark \triangle are critical for safety.

Replace only with part number specified

Les composants identifies par une trame et une marque A sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS COILS
• MF : μ F, PF : $\mu\mu$ F
• MMH : μ H, UH : μ H

 The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation Should replacement be required, replace only with the value originally used

REF.NO. PART NO.	REMAR		. PART NO.	DESCRIPTION	l		REMARK	
	A BUARD, COMPLETE (KP-5 ***************** A BOARD, COMPLETE (KP-4 ************************************		C544 C545 C569	1-136-153-00 1-136-153-00 1-126-355-11	FILM	0.01MF 0.01MF 33MF	5% 5% 20%	50V 50V 160V
4-365-216~00 4-382-854-11	•	+)	C1401 C1402 C1403 C1404 C1405	1-124-907-11	ELECT ELECT ELECT ELECT ELECT	47MF 10MF 10MF 10MF 47MF	20% 20% 20% 20% 20%	50V 50V 50V 50V 50V
<cai< td=""><td>ACITOR></td><td></td><td>C1406</td><td></td><td></td><td>100MF</td><td>20% 20%</td><td>16V</td></cai<>	ACITOR>		C1406			100MF	20% 20%	16V
C201 1-124-910-11 C202 1-124-903-11 C203 1-130-495-00 C204 1-124-477-11 C205 1-124-557-11	ELECT 47MF ELECT 1MF MYLAR 0.1MF ELECT 47MF ELECT 1000MF	20% 50V 20% 50V 5% 50V 20% 16V 20% 25V	C1407 C1408 C1409 C1413	1-126-057-11 1-136-165-00	ELECT FILM FILM	2200MF 0.1MF 0.1MF 22MF	20% 5% 5% 20%	50V 50V 50V 25V
C206	ELECT 100MF ELECT 33MF CERAMIC 0.0022MF ELECT 47MF	20% 16V 20% 16V 10% 50V 20% 16V	C1424 C1425 C1426 C1429 C1430	1-126-057-11 1-124-907-11 1-126-101-11	ELECT ELECT ELECT ELECT ELECT	2200MF 2200MF 10MF 100MF 100MF	20% 20% 20% 20% 20%	50V 50V 50V 16V 16V
C213 1-126-103-11 C214 1 126-101-11 C215 1-126-803-11 C216 1-126-101-11 C217 1-126-803-11 C218 1-126-103-11	ELECT 470MF ELECT 100MF ELECT 47MF ELECT 100MF ELECT 47MF ELECT 470MF	20% 16V 20% 50V 20% 50V 20% 16V 20% 25V 20% 16V	C1440 C1601	1-124-916-11 1-126-233-11 1-126-336-11 1-130-483-00 1-136-153-00	ELECT Mylar	22MF 22MF 220MF 0.01MF 0.01MF	20% 20% 20% 5% 5%	50V 25V 25V 50V 50V
C219 1-124-443-00	ELECT 100MF	20% 10V		<con< td=""><td>NECTOR></td><td></td><td></td><td></td></con<>	NECTOR>			
C220 1-126-803-11 C223 1-126-803-11 C224 1-124-907-11 C225 1-124-120-11	ELECT 47MF ELECT 47MF ELECT 10MF ELECT 220MF	20% 25V 20% 25V 20% 50V 20% 16V	A1 A2 A3 A5	*1-564-513-11 *1-564-512-11 *1-564-507-11 *1-564-511-11	PLUG, CONNE PLUG, CONNE PLUG, CONNE PLUG, CONNE	CTOR 9P CTOR 4P		
C227 1-124-621-11 C299 1-126-101-11	ELECT 3300MF ELECT 100MF	20% 6.3V 20% 16V	A9	*1-564-505-11	PLUG, CONNE	CTOR 2P		
C502 1-126-182-11 C503 1-130-487-00		20% 50V 5% 50V	A10 A11 A12	*1-564-511-11 *1-564-511-11 1-573-297-21	PLUG, CONNE PLUG, CONNE CONNECTOR.	CTOR 8P	ARD 18P	
C507 1-106-383-00 C508 1-102-973-00 C509 1-102-030-00	MYLAR 0.047MF	200V	: A14		COMMERCED	DOLDE TO DOL	DD 10D	
	CERAMIC 100PF	5% 50V	A13 A14	1-573-297-21 *1-564-513-11	CONNECTOR, PLUG, CONNE	BOARD TO BOA BOARD TO BOA CTOR 10P	ARD 18P	
C510 A 1-136-565-11 C512 A 1-136-598-11	CERAMIC 330PF FILM 0.015MF	10% 500V 3% 1.4KV	A14 A15 A16	*1~564~513~11 *1~564~508~11 *1~564~508~11	PLUG, CONNE PLUG, CONNE PLUG CONNE	CTOR 10P CTOR 5P CTOR 5P	ARD 18P	
C510 <u>A</u> 1-136-565-11 C512 <u>A</u> 1-136-598-11 C513 1-136-153-00 C514 1-124-477-11	CERAMIC 330PF FILM 0.015MF	10% 500V	A14 A15	*1~564~513~11 *1~564~508~11	PLUG, CONNE PLUG, CONNE PLUG, CONNE PLUG, CONNE PIN, CONNEC PIN, CONNEC	CTOR 10P CTOR 5P CTOR 5P CTOR 5P CTOR (PC BOAF TOR (PC BOAF	RD) 5P RD) 5P	
C510 A 1-136-565-11 C512 A 1-136-598-11 C513 1-136-153-00	CERAMIC 330PF FILM 0.015MF FILM 0.01MF ELECT 47MF ELECT 33MF MYLAR 0.047MF	10% 500V 3% 1.4KV 5% 200V 5% 50V 20% 16V	A14 A15 A16 A17 A18 A19 A20 A21	*1-564-513-11 *1-564-508-11 *1-564-508-11 *1-564-508-11 *1-691-291-11 *1-691-291-11 *1-691-291-11 1-508-786-00	PLUG, CONNE PLUG, CONNE PLUG, CONNE PLUG, CONNE PIN, CONNEC PIN, CONNEC PIN, CONNEC	CTOR 10P CTOR 5P CTOR 5P CTOR 5P CTOR (PC BOAF TOR (PC BOAF TOR (PC BOAF	RD) 5P RD) 5P RD) 5P rCH) 2P	
C510 A 1-136-565-11 C512 A 1-136-598-11 C513 1-136-153-00 C514 1-124-477-11 C522 1-123-024-21 C523 1-106-383-00 C528 1-124-662-11 C534 1-124-011-00	CERAMIC 330PF FILM 0.015MF FILM 3MF FILM 0.01MF ELECT 47MF ELECT 33MF MYLAR 0.047MF ELECT 220MF ELECT 220MF	10% 500V 3% 1.4KV 5% 200V 5% 50V 20% 16V 160V 200V 20% 50V 20% 16V	A14 A15 A16 A17 A18 A19 A20 A21 A22 A27	*1-564-513-11 *1-564-508-11 *1-564-508-11 *1-564-508-11 *1-691-291-11 *1-691-291-11 *1-691-291-11 1-508-786-00 1-573-297-21 1-573-979-21	PLUG, CONNE PLUG, CONNE PLUG, CONNE PIN, CONNE PIN, CONNEC PIN, CONNEC PIN, CONNEC CONNECTOR.	CTOR 10P CTOR 5P CTOR 5P CTOR 5P TOR (PC BOAF TOR (PC BOAF TOR (PC BOAF TOR (SMM PI) BOARD TO BOAF	RD) 5P RD) 5P RD) 5P CCH) 2P ARD 18P	
C510 A 1-136-565-11 C512 A 1-136-598-11 C513 1-136-153-00 C514 1-124-477-11 C522 1-123-024-21 C523 1-106-383-00 C528 1-124-662-11	CERAMIC 330PF FILM 0.015MF FILM 0.01MF ELECT 47MF ELECT 33MF MYLAR 0.047MF BLECT 220MF ELECT 220MF ELECT 220MF ELECT 220MF ELECT 220MF ELECT 220MF ELECT 220MF	10% 500V 3% 1.4KV 5% 200V 5% 50V 20% 16V 160V 200V 20% 50V	A14 A15 A16 A17 A18 A19 A20 A21 A22	*1-564-513-11 *1-564-508-11 *1-564-508-11 *1-564-508-11 *1-691-291-11 *1-691-291-11 *1-691-291-11 1-508-786-00 1-573-297-21	PLUG, CONNE PLUG, CONNE PLUG, CONNE PIN, CONNEC PIN, CONNEC PIN, CONNEC CONNECTOR, CONNECTOR, PLUG, CONNE	CTOR 10P CTOR 5P CTOR 5P CTOR 5P TOR (PC BOAF TOR (PC BOAF TOR (SMM PIT BOARD TO BOAF BOARD TO BOAF CTOR 2P	RD) 5P RD) 5P RD) 5P CCH) 2P ARD 18P	

The components identified by shading and mark $ilde{\Lambda}$ are critical for safety. Replace only with part number

specified.

Les composants identifies par une trame et une marque 🛕 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



REF.NO.	PART NO.	DESCRIPTION	REMARK		PART NO.	DESCRIPTION			REMARK
	<0101)B>		L502 L502 L515		COIL WITH CORE COIL WITH CORE INDUCTOR			
D203 D204 D205 D206 D207	8-719-911-19 8-719-110-36 8-719-911-19	DIODE ISS119 DIODE ISS119 DIODE RD13ESB2 DIODE ISS119 DIODE ISS119 DIODE ISS119		Q201 Q202	8-729-119-78 8-729-119-78	NSISTOR> TRANSISTOR 2SC2 TRANSISTOR 2SC2	2785-HFE		
D208 D209 D211 D213 D214	8-719-110-36 8-719-110-78	DIODE 1SS119 DIODE 1SS119 DIODE RD13ESB2 DIODE RD33ESB2 DIODE 1SS119		Q203 Q501 Q502 Q504 Q505	8-729-119-76 8-729-119-80 8-729-014-88 8-729-119-78 8-729-201-32	TRANSISTOR 2SA1 TRANSISTOR 2SC2 TRANSISTOR 2SC4 TRANSISTOR 2SC2 TRANSISTOR 2SA1	2688-LK 1891-CA 2785-HFE 1013-0		
D216 D217 D219 D220 D221	8-719-911-19	DIODE ISS119 DIODE ISS119 DIODE ISS119 DIODE DIN2OR DIODE DIN2OR		Q506 Q507 Q508 Q509 Q510	8-729-201-32 8-729-304-92 8-729-204-16 8-729-119-78 8-729-119-78	TRANSISTOR 2SAI TRANSISTOR 2SB6 TRANSISTOR 2SAI TRANSISTOR 2SC2 TRANSISTOR 2SC2	649A-C 1301-0 2785-HFE		
D222 D223 D501 D502	8-719-911-19 8-719-911-19 8-719-971-20	DIODE ISS119 DIODE ISS119 DIODE ERC38-06 DIODE ERC38-06		Q511 Q512 Q1401 Q1402	8-729-119-76 8-729-119-78 8-729-119-78 8-729-900-63	TRANSISTOR 2SAI TRANSISTOR 2SC2 TRANSISTOR 2SC2 TRANSISTOR DTAI	1175-HFE 2785-HFE 2785-HFE		
D503 D504 D505 D506	8-719-300-80 8-719-109-88 8-719-900-63 8-719-900-63	DIODE RU-1C DIODE RD5.6ESB1 DIODE VO6C (KP-46S55) DIODE VO6C (KP-46S55)		Q1407 Q1408	8-729-119-78 8-729-119-78 8-729-119-76	TRANSISTOR 2SC2 TRANSISTOR 2SC2 TRANSISTOR 2SA1	2785-IIFE 2785-HFE		
D507 D509	8-719-970-89 8-719-911-19	DIODE DD50R DIODE 188119		R203	<res< td=""><td>ISTOR></td><td>4.7K 5<u>%</u></td><td>1/4W</td><td></td></res<>	ISTOR>	4.7K 5 <u>%</u>	1/4W	
D510 D511 D512 D513 D514	8-719-109-71 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE RD3.9ESB1 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		R204 R214 R215 R216	1-249-441-11 1-249-429-11 1-249-437-11 1-249-377-11	CARBON CARBON CARBON CARBON CARBON	100K 5% 10K 5% 47K 5% 0.47 5%	1/4W 1/4W 1/4W 1/4W	F
D515 D1401 D1402 D1403 D1406	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		R219 R221 R222 R223 R224	1-249-426-11 1-249-409-11 1-249-436-11 1-249-434-11 1-249-409-11	CARBON CARBON CARBON	5.6K 5% 220 5% 39K 5% 27K 5% 220 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
D1408 D1410 D1607 D1608 JW266	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119	i e	1 R231	1-249-409-11	METAL OXIDE CARBON METAL OXIDE	220 5%	1/4W	P P P 無難量
	<1C>			R234 R235 R236	1-249-409-11 1-249-409-11 1-249-409-11	CARBON	220 5% 220 5% 220 5%	1/4W 1/4W 1/4W	
I C201 I C204	8-749-920-58 8-759-231-53	IC SI-3090CA IC TA7805S		R237 R238	1-249-409-11 1-249-409-11	CARBON	220 5% 220 5%	1/4W 1/4W	
1 C205 1 C206 1 C207	8-759-144-82 8-759-231-58 8-749-920-58	IC UPC2405HF IC TA7812S IC SI-3090CA		R242 R243	1-249-409-11 1-215-906-71 1-215-906-71 1-217-294-11	METAL OXIDE METAL OXIDE WIREWOUND	220 5% 15 5% 15 5% 4.7 10%	3W 5W	F
	8-752-057-18 1 8-759-168-24	IC CXA1315P IC TA8200AH		R244 R296	1-249-417-11	CARBON	6.8 10% 1K 5%	5W 1/4W	L ugi si
	<c01< td=""><td>L></td><td></td><td>R501 R502 R503</td><td>1-247-895-00 1-249-377-11 1-249-377-11</td><td>CARBON</td><td>1K 5% 470K 5% 0.47 5% 0.47 5% 1K 5%</td><td>1/4W 1/4W 1/4W</td><td>F F</td></c01<>	L>		R501 R502 R503	1-247-895-00 1-249-377-11 1-249-377-11	CARBON	1K 5% 470K 5% 0.47 5% 0.47 5% 1K 5%	1/4W 1/4W 1/4W	F F
L201 L201 L205 L206 L206	1-408-429-00 1-408-429-00 1-410-645-31 1-408-416-00 1-408-416-00	INDUCTOR 470UH INDUCTOR 470UH INDUCTOR 100UH INDUCTOR 39UH INDUCTOR 39UH		R504	1-249-417-11		ĬŔ 5%	1/4W	
L212 L501	1-410-312-11 <u>A</u> 1-460-196-11	INDUCTOR 0.22UH COLL, HORIZONTAL LINBARITY							

KP-46S55/53S55 RM-Y125



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Replace only with part number specified.

REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R505 1-249-423-11 R506 A 1-215-922-91 R507 1-249-429-11 R508 A 1-216-373-91 R509 A 1-216-478-91	CARBON 3.3K 5% 1/4W METAL OXIDE 6.8K 5% 3W CARBON 10K 5% 1/4W METAL OXIDE 2.2 5% 2W METAL OXIDE 390 5% 3W	P	R1439 R1440 R1442 R1443	1-247-883-00 1-249-417-11 1-215-410-00 1-215-410-00	CARBON CARBON METAL METAL	360 360	5% 1/4W 5% 1/4W 1% 1/4W 1% 1/4W	
R511 1-247-811-31 R512 1-249-421-11 R513 1-249-417-11 R514 A 1-215-877-91 R515 1-249-430-11	CARBON 150 5% 1/4W CARBON 2.2K 5% 1/4W CARBON 1K 5% 1/4W METAL OXIDE 22K 5% 1W CARBON 12K 5% 1/4W	F	R1520 R1602 R1605 R1606 R1610	1-249-429-11 1-249-417-11 1-247-807-31 1-247-807-31 1-247-807-31	CARBON CARBON CARBON CARBON CARBON	1K 100 100	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W	
R516 1-249-417-11 R517 1-249-426-11 R518 1-249-425-11 R519 1-249-417-11 R520 A1-215-925-91	CARBON 1K 5% 1/4W CARBON 5.6K 5% 1/4W CARBON 4.7K 5% 1/4W CARBON 1K 5% 1/4W METAL OXIDE 22K 5% 3W	የ F የ	R1611 R1612 R1614 R1630 R1631	1-247-807-31 1-247-807-31 1-249-411-11 1-249-434-11 1-249-433-11	CARBON CARBON CARBON CARBON CARBON	100 330 27K	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W	
R521 A 1-215-925-91 R522 1-249-421-11	MBTAL OXIDE 22K 5% 3W CARBON 2.2K 5% 1/4W	-P-Care		<tra< td=""><td>NSFORMER></td><td></td><td></td><td></td></tra<>	NSFORMER>			
R523 1-249-434-11 R524 1-249-434-11 R525 A1-215-922-91	CARBON 27K 5% 1/4W CARBON 27K 5% 1/4W	F	T501 & T502 &	∆ 1-439-545-11 ∆ 1-437-078-11	TRANSFORMER, TRANSFORMER,	FERRITE Horizon	TAL DRIVE	
R526 1-249-417-11 R528 A1-216-447-91	CARBON 1K 5% 1/4W METAL OXIDE: 27 5% 2W			<tun< td=""><td>ER></td><td></td><td></td><td></td></tun<>	ER>			
R529 A 1=216-447-91 R530 1-249-431-11 R531 1-249-431:11	CARBON 1K 5% 1/4W METAL OXIDE 27 5% 2W 2W 5 5% 1/4W CARBON 15K 5% 1/4W CARBON 15K 5% 1/4W			1 1-693-102-22				
R532 1-249-385-11	CARBON 2.2 5% 1/4W	F		*A-1195-084-A	P1 BOARD, COM	IPLETE	****	****
R533 1-249-429-11 R534 1-249-429-11 R536 <u>A</u> 1-217-315-11	CARBON 10K 5% 1/4W Whrewound 270 10% 5W	Fanga ja			*********	****		
R537 <u>A</u> 1-217-315-11	WIREWOUND 270 10% 5W	KP-46855) F KP-46855)	C3001	<cap 1-124-589-11</cap 	'ACITOR> ELECT	47MF	20%	16V
R550 1-249-385-11 R558 1-249-385-11 R559 1-249-409-11 R560 1-249-409-11	CARBON 2.2 5% 1/4W CARBON 2.2 5% 1/4W CARBON 220 5% 1/4W CARBON 220 5% 1/4W	F	C3002 C3003 C3004 C3005	1-164-346-11 1-164-232-11 1-163-119-00 1-163-235-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	1MF 0.01MF 120PF	10% 5% 5%	16V 50V 50V 50V
R565 1-249-427-11 R566 1-249-427-11 R567 1-249-427-11 R568 1-249-427-11	CARBON 6.8K 5% 1/4W CARBON 6.8K 5% 1/4W CARBON 6.8K 5% 1/4W CARBON 6.8K 5% 1/4W		C3006 C3007 C3008 C3009 C3010	1-164-232-11 1-164-005-11 1-164-004-11 1-124-925-11 1-163-145-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	0.47MF 0.1MF 2.2MF	10% 10% 20% 4F 5%	50V 25V 25V 50V 50V
R569 1-249-426-11 R570 1-249-441-11 R571 1-249-429-11 R572 1-249-429-11	CARBON 5.6K 5% 1/4W CARBON 100K 5% 1/4W CARBON 10K 5% 1/4W CARBON 10K 5% 1/4W		C3013 C3014	1-163-018-00 1-164-336-11 1-164-222-11 1-164-004-11	CERAMIC CHIP CERAMIC CHIP	0.33MF 0.22MF 0.1MF	10%	50 V 25 V 25 V 25 V
R579 1-249-417-11 R1401 1-215-445-00 R1402 1-215-445-00 R1403 1-215-445-00 R1404 1-215-445-00	CARBON 1K 5% 1/4W METAL 10K 1% 1/4W		C3015 C3016 C3017 C3018 C3019	1-163-115-00	MYLAR CERAMIC CHIP CERAMIC CHIP	39PF 0.1MF 82PF 0.01MF	10% 5% 5% 10%	50V 50V 50V 50V 50V
R1405 1-249-385-11 R1406 1-249-385-11 R1409 1-249-433-11 R1410 1-249-433-11 R1411 1-249-437-11	CARBON 2.2 5% 1/4W CARBON 2.2 5% 1/4W CARBON 22K 5% 1/4W CARBON 22K 5% 1/4W CARBON 47K 5% 1/4W		C3020 C3021 C3022 C3023 C3024	1-163-105-00 1-163-115-00 1-126-301-11 1-124-589-11	ELECT ELECT	82PF 1MF 47MF	5% 5% 20% 20% MF 10%	50V 50V 50V 16V 50V
R1427 A 1-215-865-91 R1428 A 1-215-865-91 R1431 1-247-807-31 R1433 1-249-425-11 R1434 1-249-423-11	METAL OXIDE 220 5% 1W METAL OXIDE 220 5% 1W CARBON 100 5% 1/4W CARBON 4.7K 5% 1/4W CARBON 3.3K 5% 1/4W	ļ						



REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMAI
C3026 C3027 C3028	1-126-163-11 1-163-275-11 1-124-589-11	CERAMIC CHIP BLECT CERAMIC CHIP BLECT CERAMIC CHIP	0.056MF 4.7MF 0.001MF 47MF		25V 50V 50V 16V 50V	1 C3005 1 C3006 1 C3007	8-759-192-90 8-759-112-06 8-759-248-91	IC SDA9086-5			
C3031 C3032 C3033	1-126-177-11 1-164-004-11 1-164-004-11	CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	100MF 0.1MF 0.1MF	10% 20% 10% 10%	25V 6.3V 25V 25V 25V		8-759-112-06 <011 1-410-476-11	L>	33UH		
C3035 C3036 C3037 C3038	1-163-117-00 1-164-004-11 1-124-589-11 1-136-287-11	CERAMIC CHIP CERAMIC CHIP ELECT	100PF 0.1MF 47MF 0.0047MF	5% 10% 20% 5% 10%	50V 25V 16V 50V 25V	L3002 L3003 L3004 L3005	1-408-424-00 1-408-424-00 1-410-470-11 1-410-472-41 1-412-788-41	INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR	180UH 180UH 10UH 15UH		
C3040 C3041 C3042 C3043	1-164-232-11 1-163-037-11 1-164-346-11 1-124-465-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	0.01MF 0.022MF 1MF 0.47MF	10% 10% 20%	50V 25V 16V 50V	L3007 L3008 L3009 L3010	1-410-472-41 1-410-472-41 1-410-472-41 1-410-466-41	INDUCTOR INDUCTOR INDUCTOR INDUCTOR	15UH 15UH 15UH 4.7UH		
C3045 C3046 C3047 C3048	1-124-589-11 1-126-301-11 1-126-301-11 1-164-161-11	ELECT ELECT CERAMIC CHIP	0.0022MF	10%	50V 16V 50V 50V 50V	L3012 L3013 L3014 L3015	1-412-911-11	INDUCTOR INDUCTOR INDUCTOR, FER INDUCTOR, FER INDUCTOR, FER	RITE BEA RITE BEA	D	
C3052 C3053 C3054 C3055	1-126-177-11 1-164-004-11 1-126-177-11 1-163-133-00	CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP	100MF 0.1MF 100MF 470PF	10% 20% 10% 20% 5%	50V 6.3V 25V 6.3V 50V	Q3003	8-729-216-22	NSISTOR> TRANSISTOR 2S	82UH 8A1162-G		
C3058 C3059 C3060	1-163-009-11	ELECT CERAMIC CHIP ELECT CERAMIC CHIP	0.22MF 47MF	20% 10% 20% 5%	16V 50V 25V 16V 50V	Q3006	8-729-120-28 8-729-120-28 8-729-216-22 8-729-120-28 8-729-216-22	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	C1623-L5 A1162-G C1623-L5	iL6	
C3065 C3066 C3067 C3069	1-124-589-11 1-164-004-11 1-124-589-11 1-164-232-11	CERAMIC CHIP BLECT CERAMIC CHIP	47MF 0.1MF 47MF 0.01MF	20% 10% 20% 10%	16V 25V 16V 50V	Q3010 Q3011 Q3012 Q3013	8-729-120-28 8-729-216-22 8-729-120-28 8-729-120-28	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	SC1623-L5 SA1162-G SC1623-L5 SC1623-L5	5L6 5L6	
C3071 C3072 C3073	1-124-589-11 1-124-589-11	ELECT ELECT	47MF 47MF 47MF	20% 20% 20% 20%	6.3V 16V 16V	Q3100	8-729-216-22	TRANSISTOR 25 TRANSISTOR 25 SISTOR>	5A1162-G	ՆԵԾ	
C3077 C3081	1-163-121-00 1-164-004-11 1-164-005-11 1-163-095-00	CERAMIC CHIP	0.47MF 12PF	5% 10% 5% 10%	50V 25V 25V 50V 25V	JR1 JW2 R3001 R3002 R3003	1-216-295-00 1-216-295-00 1-216-085-00 1-216-089-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 ! 33K !	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
C3100 C3101 CN151	1-164-004-11 1-163-249-11 <con 1-573-965-21</con 	CERAMIC CHIP	82PF	5%	50V	R3004 R3005 R3006 R3007 R3008	1-216-091-00 1-216-689-11 1-216-097-00 1-216-079-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	56K 39K 100K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
D3003 D3004	<010 8-719-158-15 8-719-404-46	DE> DIODE RD5.6S DIODE MAILO				R3009 R3010 R3011 R3012 R3013	1-216-041-00 1-216-049-00 1-216-073-00 1-216-053-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 1K 10K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
	<1C> 1 8-759-046 25	IC TDA3769				R3014 R3015 R3017 R3018 R3019	1-216-065-00 1-216-049-00 1-216-083-00 1-216-097-00 1-216-077-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	27K 100K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
LC300	2 8-759-009-46	IC MC14528BF IC TDA2595/V				R3020	1-216-099-00	METAL GLAZE	120K	5%	1/10W

P1 M

REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
R3021 R3023 R3024 R3025 R3026	1-216-075-00 1-216-065-00 1-216-101-00 1-216-015-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	12K 4.7K 150K 39 470	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W				METAL GLAZE 1K 5% HABLE RESISTOR>	1/10W	
	1-216-061-00 1-216-027-00 1-216-073-00 1-216-047-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 120 10K 820 470	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		RV3002	1-238-019-11 1-241-630-11	RES, ADJ, CARBON 10K RES, ADJ, CARBON 47K RES, ADJ, CARBON 10K		
R3033 R3034 R3035 R3036 R3037	1-216-295-00 1-216-041-00 1-216-045-00 1-216-045-00 1-216-083-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 470 680 680 27K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		*****	*******	OSCILLATOR, CRYSTAL ************************************	******	******
R3038 R3039 R3040 R3041 R3042	1-216-049-00 1-216-073-00 1-216-065-00 1-216-073-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 10K 4.7K 10K 2.2K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C001	1-124-261-00	**************************************	20%	50 V
R3043 R3044 R3045 R3050 R3052	1-216-099-00 1-216-089-00 1-216-295-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	120K 47K 0 220 220	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C002 C003 C004 C005	1-163-125-00 1-136-161-00 1-126-301-11 1-163-125-00 1-124-910-11	CERAMIC CHIP 220PF FILM 0.047MF BLBCT 1MF CERAMIC CHIP 220PF BLBCT 47MF	5% 5% 20% 5%	50V 50V 50V 50V
R3053 R3055 R3056 R3057	1-216-037-00 1-216-063-00 1-216-059-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	330 3.9K 2.7K 22K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		C017 C018 C019 C020	1-124-589-11 1-163-141-00 1-164-695-11 1-163-241-11	ELECT 47MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.0022MF CERAMIC CHIP 39PF	20% 5% 5% 5%	16V 50V 50V 50V
R3058 R3059 R3060 R3061 R3062	1-216-049-00 1-216-079-00 1-216-065-00 1-216-049-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 18K 4.7K 1K 1K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C021 C029 C030 C034 C035	1-163-239-11 1-163-249-11 1-163-249-11 1-163-125-00 1-163-125-00	CERAMIC CHIP 33PF CERAMIC CHIP 82PF CERAMIC CHIP 82PF CERAMIC CHIP 220PF CERAMIC CHIP 220PF	5% 5% 5% 5% 5%	50V 50V 50V 50V
R3063 R3064 R3065 R3066	1-216-025-00 1-216-295-00 1-216-073-00 1-216-053-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 0 10K 1.5K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C036 C041 C042 C045 C047	1-163-125-00 1-163-117-00 1-163-117-00 1-163-125-00 1-124-261-00	CERAMIC CHIP 220PF CERAMIC CHIP 100PF CERAMIC CHIP 100PF CERAMIC CHIP 220PF BLECT 10MF	5% 5% 5% 20%	50V 50V 50V 50V 50V
R3069 R3071 R3073 R3074 R3075	1-216-689-11 1-216-049-00 1-216-049-00 1-216-295-00 1-216-049-00 1-216-043-00	METAL GLAZE 39K 1K 1K 0 1K 560	5% %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W		C048 C049 C055 C064 C065	1-124-261-00 1-124-261-00 1-163-809-11 1-163-121-00 1-124-257-00	BLECT 10MF BLECT 10MF CERAMIC CHIP 0.047MF CERAMIC CHIP 150PF BLECT 2.2MF	20% 20% 10% 5% 20%	50V 50V 25V 50V 50V	
R3077 R3078 R3079 R3082 R3084	1-216-033-00 1-216-039-00 1-216-035-00 1-216-029-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 390 270 150 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		M45 M001	*1-564-523-11 1-573-965-21	INECTOR> PLUG, CONNECTOR 8P PIN, CONNECTOR (PC BOAR	D) 50P	
R3085 R3086 R3087 R3088 R3089	1-216-119-00 1-216-065-00 1-216-081-00 1-216-089-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	820K 4.7K 22K 47K 220	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		D001 D002 D009 D010	8-719-404-46 8-719-404-46 8-719-404-46 8-713-300-57 8-719-404-46	DIODE MAIIO DIODE MAIIO DIODE MAIIO		
R3090 R3091 R3092 R3098 R3099	1-216-089-00 1-216-053-00 1-216-053-00 1-216-296-91 1-216-296-91	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47K 1.5K 1.5K 0 0	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/8W 1/8W		D012 D014 D015	8-719-404-46 8-719-404-46 8-719-404-46	DIODE MAIIO DIODE MAIIO		
R3100 R3101 R3102 R3103	1-216-296-91 1-216-051-00 1-216-047-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 1.2K 820 2.2K	5% 5% 5% 5%	1/8W 1/10W 1/10W 1/10W		I C001 I C002	<1C 8-759-254-34 8-759-403-44	IC TMC73C247-51		



REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION		<u></u>	REMARK
L001	<001 1-408-409-00		10UH			R060 R063 R064 R065 R066	1-216-073-00 1-216-033-00 1-216-053-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 220 5% 1.5K 5% 220 5% 220 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
L002	1-410-476-11	INDUCTOR	33UH			R067 R068	1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE	220 5% 220 5%	1/10W 1/10W	
Q001	8-729-216-22	NSISTOR> TRANSISTOR 2S	A1162-G			R069 R070 R072	1-216-033-00 1-216-049-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 220 5% 1K 5% 220 5% 220 5%	1/10W 1/10W 1/10W	
0009 0010 0011 0012	8-729-120-28 8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	C1623-L5L6 C1623-L5L6 C1623-L5L6			!	1-216-057-00 1-216-033-00 1-216-033-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 5% 220 5% 220 5% 47K 5% 2.2K 5%	1/10W 1/10W 1/10W 1/10W	
Q013 Q014	8-729-216-22 8-729-120-28	TRANSISTOR 2S TRANSISTOR 2S	A1162-G C1623-L5L6			R077	1-216-057-00	METAL GLAZE METAL GLAZE		1/10W 1/10W	
	<res< td=""><td>ISTOR></td><td></td><td></td><td></td><td>R079 R080 R081</td><td>1-216-033-00 1-216-025-00 1-216-061-00 1-216-033-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>220 5% 100 5% 3.3K 5% 220 5% 220 5%</td><td>1/10W 1/10W 1/10W</td><td></td></res<>	ISTOR>				R079 R080 R081	1-216-033-00 1-216-025-00 1-216-061-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 100 5% 3.3K 5% 220 5% 220 5%	1/10W 1/10W 1/10W	
R001 R002 R003	1-216-045-00 1-216-097-00 1-216-121-00	METAL GLAZE METAL GLAZE METAL GLAZE	680 5% 100K 5% 1M 5%	1/10W 1/10W 1/10W		R082	1-216-033-00	METAL GLAZE		1/10W 1/10W	
R004 R005 R006	1-216-073-00 1-216-073-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 10K 5%	1/10W 1/10W 1/10W		R084 R085 R086 R087	1-216-033-00 1-216-097-00 1-216-033-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 100K 5% 220 5% 220 5% 220 5%	1/10W 1/10W 1/10W 1/10W	
R007 R008 R009 R011	1-216-027-00 1-216-041-00 1-216-027-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 120 5% 470 5% 120 5% 220 5%	1/10W 1/10W 1/10W 1/10W		R088 R089 R090	1-216-033-00 1-216-089-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 47K 5% 220 5% 4.7K 5% 15K 5%	1/10W 1/10W 1/10W	
R012 R013	1-216 033-00 1-216-067-00	METAL GLAZE METAL GLAZE		1/10W 1/10W		R091 R092	1-216-065-00 1-216-077-00	METAL GLAZE METAL GLAZE	4.7K 5% 15K 5%	1/10W 1/10W	
RO14 RO15 RO16	1-216-057-00 1-216-089-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 5.6K 5% 2.2K 5% 47K 5% 5.6K 5%	1/10W 1/10W 1/10W		R093 R094 R095 R096	1-216-065-00 1-216-033-00 1-216-073-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 220 5% 10K 5% 4.7K 5%	1/10W 1/10W 1/10W 1/10W	i
R017 R018 R019	1-216-067-00 1-216-065-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 5% 4.7K 5% 10K 5% 10K 5% 220 5%	1/10W 1/10W 1/10W		R097 R098	1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE	4.7K 5% 4.7K 5%	1/10W 1/10W	
R033 R034	1-216-073-00 1-216-033-00	METAL GLAZE METAL GLAZE		1/10W 1/10W		R100 R101 R102	1-216-025-00 1-216-025-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 5% 100 5% 47K 5% 220 5%	1/10W 1/10W 1/10W	!
R035 R036 R037 R038 R039	1-216-033-00 1-216-033-00 1-216-073-00 1-216-033-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 220 5% 10K 5% 220 5% 10K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R103 R104	1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE	220 5% 220 5%	1/10W 1/10W	
R040 R041	1-216-089-00	METAL GLAZE METAL GLAZE		1/10W 1/10W		X001		'STAL> VIBRATOR, CR'	/ CT A I		
R042 R043	1-216-057-00 1-216-065-00 1-216-033-00	METAL GLAZE METAL GLAZE	4.7K 5% 220 5%	1/10W 1/10W			******			******	******
RO44 RO45	1-216-033-00	METAL GLAZE		1/10W 1/10W			*A-1346-137-A	E2 BOARD, COI			
R046 R047 R048 R049	1-216-065-00 1-216-065-00 1-216-033-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 5% 4.7K 5% 4.7K 5% 220 5% 4.7K 5%	1/10W 1/10W 1/10W 1/10W			<caf< td=""><td>PACITOR></td><td></td><td></td><td></td></caf<>	PACITOR>			
R050	1-216-295-00	METAL GLAZE	0 5%	1/10W 1/10W 1/10W		C2302 C2303 C2310	1-163-009-11 1-164-232-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF	10% 10% 5%	50V 50V 50V
R051 R052 R053 R054	1-216-033-00 1-216-065-00 1-216-065-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 4.7K 5% 4.7K 5% 10K 5%	1/10W 1/10W 1/10W 1/10W		C2314 C2315	1-163-105-00 1-164-232-11 1-126-157-11	CERAMIC CHIP ELECT		10% 20%	50V 50V 16V
RO55 RO56 RO57 RO58 RO59	1-216-073-00 1-216-065-00 1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 4.7K 5% 4.7K 5% 4.7K 5%	1/10W 1/10W 1/10W 1/10W	 	C2316 C2317 C2318 C2320 C2321	1-126-157-11 1-126-157-11 1-164-232-11 1-124-589-11 1-163-017-00	ELECT ELECT CERAMIC CHIP ELECT CERAMIC CHIP	47MF	20% 20% 10% 20% 10%	16V 16V 50V 16V 50V
れいつろ	1-216-073-00	METAL GLAZE	10K 5%	1/10W		C2322	1-124-234-00	ELECT	22MF	20%	16V



REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
C2323 1-124-234-00 C2324 1-124-234-00 C2325 1-164-232-11 C2326 1-124-589-11 C2327 1-164-505-11	BLECT 22MF BLECT 22MF CERAMIC CHIP 0.01MF BLECT 47MF CBRAMIC CHIP 2.2MF	20% 20% 10% 20%	16V 16V 50V 16V 16V	Q2306 Q2307 Q2308 Q2309	8-729-403-27 8-729-403-27 8-729-403-27 8-729-903-10	TRANSISTOR XN4401 TRANSISTOR XN4401 TRANSISTOR XN4401 TRANSISTOR PMW1 TRANSISTOR XN4401		
C2328 1-164-232-11 C2329 1-164-232-11 C2331 1-164-232-11 C2332 1-124-234-00	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF BLECT 22MF	10% 10% 10% 20%	50V 50V 50V 16V 16V	Q2311 Q2312 Q2313 Q2314	8-729-903-10 8-729-403-27 8-729-903-10 8-729-403-27	TRANSISTOR FMW1 TRANSISTOR XN4401 TRANSISTOR FMW1 TRANSISTOR XN4401 TRANSISTOR XN4401 TRANSISTOR FMW1		
C2334 1-164-232-11 C2335 1-164-232-11 C2336 1-126-163-11 C2337 1-164-232-11 C2338 1-163-038-00	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF ELECT 4.7MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.1MF	10% 10% 20% 10%	50V 50V 16V 50V 25V	Q2317 Q2318 Q2319 Q2320	8-729-216-22 8-729-216-22 8-729-216-22 8-729-120-28	TRANSISTOR 2SAI16 TRANSISTOR 2SAI16 TRANSISTOR 2SAI16 TRANSISTOR 2SC162	2-G 2-G 3-L5L6	
C2340 1-163-133-00 C2341 1-135-217-21 C2345 1-164-505-11 C2346 1-164-232-11 C2347 1-163-367-11	CERAMIC CHIP 470PF TANTAL. CHIP 15MF CERAMIC CHIP 2.2MF CERAMIC CHIP 0.01MF CERAMIC CHIP 39PF	20% 20% 10% 5%		Q2324 Q2326 Q2327 Q2328	8-729-216-22 8-729-120-28 8-729-120-28 8-729-925-79	TRANSISTOR 2SC162 TRANSISTOR 2SC162 TRANSISTOR 2SC162 TRANSISTOR 2SC162 TRANSISTOR 2SC162 TRANSISTOR 1MX3	2-G 3-L5L6	
	CERAMIC CHIP 2.2MF CERAMIC CHIP 0.01MF CERAMIC CHIP 2.2MF CERAMIC CHIP 2.2MF CERAMIC CHIP 0.01MF		16V 50V 16V 16V 50V	Q2329 Q2330 Q2336 Q2337 Q2339	8-729-925-79 8-729-903-10 8-729-925-79 8-729-925-79 8-729-120-28	TRANSISTOR IMX3 TRANSISTOR FMW1 TRANSISTOR IMX3 TRANSISTOR IMX3 TRANSISTOR 2SC162	3-L5L6	
C2354 1-164-232-11 C2357 1-126-301-11 C2360 1-163-109-00	CERAMIC CHIP 0.01MF BLECT 1MF .CBRAMIC CHIP 47PF	10% 20% 5%	50 V 50 V 50 V	Q2340	8-729-120-28	TRANSISTOR 2SC162 TRANSISTOR 2SC162	3-L5L6	
	INECTOR>					SISTOR>		
E2-25 *1-564-521-11 E2-26 *1-564-522-11 E2-46 *1-564-518-11 E2-002 1-573-965-21	PLUG, CONNECTOR 6P PLUG, CONNECTOR 7P PLUG, CONNECTOR 3P PIN, CONNECTOR (PC BOAR)	D) 50P		R2302 R2303 R2304 R2305 R2306	1-216-049-00 1-216-049-00 1-216-049-00 1-216-033-00 1-216-045-00	METAL GLAZE 1K METAL GLAZE 1K METAL GLAZE 1K METAL GLAZE 22C METAL GLAZE 68C	5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/10W 1/10W 1/10W 1/10W 1/10W
<010	DDE>			R2307 R2308	1-216-045-00 1-216-045-00	METAL GLAZE 680 METAL GLAZE 680	5% 5%	1/10W 1/10W
D2309 8-719-404-46	DIODE FMN1 DIODE FMN1 DIODE MATIO			R2309 R2310 R2311	1-216-041-00 1-216-055-00 1-216-025-00 1-216-043-00	METAL GLAZE 470 METAL GLAZE 1.8 METAL GLAZE 100	5% 5% 5%	1/10W 1/10W 1/10W 1/10W
D2312 8-719-404-46 D2313 8-719-404-46 D2314 8-713-300-57 D2317 8-719-404-46	DIODE MAIIO DIODE 1T33			R2313	1-216-055-00 1-216-061-00 1-216-081-00	METAL GLAZE 3.3 METAL GLAZE 22		1/10W 1/10W 1/10W 1/10W
<103 102301 8-759-066-52 102303 8-759-925-75	IC PCA8510T/012-T IC SN74HC05ANS			R2318 R2319 R2320 R2321 R2322	1-216-061-00 1-216-063-00	METAL GLAZE 181 METAL GLAZE 3.3 METAL GLAZE 3.9	3 5% 3 5%	1/10W 1/10W 1/10W 1/10W 1/10W
1 C 2 3 0 4 8 - 752 - 037 - 15 1 C 2 3 0 6 8 - 759 - 011 - 65 1 C 2 3 0 7 8 - 752 - 058 - 68	IC MC74HC4053F IC CXAI315M			R2323 R2324 R2325 R2326 R2327	1-216-049-00 1-216-049-00 1-216-061-00	METAL GLAZE 1K METAL GLAZE 1K METAL GLAZE 3.	5% 5% 3K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
L2304 1-408-414-00				R2328	1-216-025-00	METAL GLAZE 10) 5%	1/10W
	ANSISTOR> TRANSISTOR FMWI			R2329 R2330 R2331 R2332	1-216-061-00 1-216-063-00	METAL GLAZE 3. METAL GLAZE 3.	3K 5% 9K 5%	1/10W 1/10W 1/10W 1/10W
Q2303 8-729-403-27 Q2304 8-729-925-79	TRANSISTOR XN4401			R2333 R2334 R2335	1-216-295-00) METAL GLAZE O	5% 5% 5%	1/10W 1/10W 1/10W

E2

REF.NO.	PART NO.	DESCRIPTION			i	REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R2337	1-216-295-00 1-216-033-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 220 22K	5% 5%	1/10W 1/10W 1/10W		1	1-216-081-00	METAL GLÄZE METAL GLÄZE	22K 1K		1/10W 1/10W	
R2340 R2341	1-216-049-00 1-216-041-00	METAL GLAZE METAL GLAZE	1K 470	5% 5%	1/10W 1/10W		R3313 R3314 R3315	1-216-083-00 1-216-689-11 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE	27K 39K 47K	5% 5%	1/10W 1/10W 1/10W	
R2343 R2344	1-216-049-00 1-216-049-00 1-216-033-00 1-216-077-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1 K 1 K 220 15 K	5% 5%	1/10W 1/10W 1/10W 1/10W		R3316 R3318	1-216-071-00 1-216-095-00 1-216-095-00	METAL GLAZE METAL GLAZE METAL GLAZE	8.2K 82K 82K		1/10W 1/10W 1/10W	
R2346 R2347	1-216-049-00 1-216-083-00	METAL GLAZE METAL GLAZE	IK		1/10W 1/10W 1/10W		R3318 R3319 R3320 R3321 R3323	1-216-017-00 1-216-069-00 1-216-101-00	METAL GLAZE METAL GLAZE METAL GLAZE	47 6.8K 150K	5% 5%	1/10W 1/10W 1/10W	
R2349 R2350	1-216-655-11 1-216-025-00 1-216-097-00 1-216-033-00	METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 100 100K 220	0.50% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R3325 R3328	1-216-049-00 1-216-025-00 1-216-001-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 100 10 220	5% 5%	1/10W 1/10W 1/10W 1/10W	
R2352 R2353 R2354	1-216-097-00 1-216-097-00 1-216-210-00	METAL GLAZE METAL GLAZE METAL GLAZE	100K 100K 3.3K	5% 5% 5%	1/10W 1/10W 1/8W		R3331	1-216-033-00 1-216-033-00 1-216-081-00	METAL GLAZE	220 22K	5%	1/10W	
R2355 R2356	1-216-178-00 1-216-677-11	METAL GLAZE METAL CHIP	150 12K	5% 0.50%	1/8W 1/10W		R3333 R3334	1-216-657-11 1-216-661-11 1-216-025-00	METAL CHIP METAL CHIP METAL GLAZE	1.8K 2.7K 100	0.50% 0.50% 5%	1/10W 1/10W 1/10W	
R2360	1-216-670-11 1-216-053-00 1-216-053-00 1-216-053-00	METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	6.2K 1.5K 1.5K 1.5K 1.5K	0.50% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R3336 R3337 R33339	1-216-683-11 1-216-685-11 1-216-081-00	METAL CHIP METAL CHIP METAL GLAZE	22K 27K 22K	0.50% 0.50% 5%	1/10W	
R2362 R2363	1-216-053-00 1-216-041-00	METAL GLAZE METAL GLAZE			1/10W		R3340	1-216-049-00 1-216-677-11 1-216-670-11	METAL GLAZE	1 K 12 K 6.2 K	5% 5% 0.50% 0.50%	1/10W	
	1-216-053-00 1-216-053-00 1-216-081-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 1.5K 1.5K 22K 560	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R3343 R3344 R3347 R3348	1-216-097-00 1-216-097-00 1-216-687-11 1-208-812-11	METAL GLAZE METAL CHIP	100K 100K 33K 18K	0.50%	1/10W 1/10W 1/10W 1/10W	
R2368 R2371 R2374	1-216-081-00 1-216-033-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE	22K 220 5.6K	5% 5% 5%	1/10W 1/10W 1/10W		R3349	1-216-073-00 1-216-065-00	METAL GLAZE METAL GLAZE	10K 4.7K	5% 5%	1/10W 1/10W	
R2375 R2376		METAL GLAZE METAL GLAZE METAL GLAZE	22K 22K 100	5% 5%	1/10W 1/10W 1/10W		R3351 R3352 R3353 R3354	1-216-065-00 1-216-073-00 1-216-059-00 1-216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 10K 2.7K 2.7K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R2377 R2378 R2379 R2380 R2381	1-216-025-00 1-216-025-00 1-216-043-00 1-216-043-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 560 560 560	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R3356 R3357 R3358	1-216-655-11 1-216-654-11 1-216-659-11	METAL CHIP METAL CHIP METAL CHIP	1.5K 1.3K 2.2K	0.50% 0.50% 0.50%	1/10W 1/10W 1/10W	
R2382 R2384 R2385		METAL GLAZE METAL GLAZE METAL GLAZE	10K 22K 12K	5% 5%	1/10W 1/10W 1/10W			1-216-653-11 1-216-077-00 1-216-049-00	METAL GLAZE	1.2K 15K 1K	0.50% 5% 5%	1/10W 1/10W	
R2386 R2387	1-216-049-00 1-216-025-00	METAL GLAZE METAL GLAZE	1 K 100	5% 5%	1/10W 1/10W		R3362 R3364 R3365	1-216-097-00 1-216-295-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE	100K 0 100K 15K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R2388 R2389 R2390 R2392	1-216-017-00 1-216-206-00 1-216-043-00 1-216-206-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47 2.2K 560 2.2K	5% 5% 5%	1/10W 1/8W 1/10W 1/8W		R3367 R3368 R3369	1-216-083-00 1-216-001-00		27K 10	5% 5% 5%	1/10W 1/10W	
R2393 R2394 R2395	1-216-017-00 1-216-049-00 1-216-001-00	METAL GLAZE METAL GLAZE METAL GLAZE	47 1K 10	5%	1/10W 1/10W 1/10W		R3370 R3371 R3373	1-216-001-00 1-216-001-00 1-216-673-11		10 10 8.2K	5%	1/10W 1/10W 1/10W	
R2396 R2397 R2399	1-216-206-00 1-216-043-00 1-216-001-00	METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 560 10	5% 5% 5% 5%	1/8W 1/10W 1/10W		R3374 R3375 R3375 R3376	1-216-059-00 1-216-056-00 1-216-658-11 1-216-647-11	METAL GLAZE METAL CHIP	2.7K 2K 2K 680	5% 5% 0.50% 0.50%	1/10W 1/10W 1/10W 1/10W	
R3301 R3302 R3303	1-216-049-00 1-216-001-00 1-216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 10 6.8K	5% 5% 5%	1/10W 1/10W 1/10W		R3377	1-216-647-11 1-216-659-11	METAL CHIP	680 2.2K	0.50%	1/10W 1/10W	l
R3304 R3306 R3307	1-216-091-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE	56K 47K	5% 5%	1/10W 1/10W 1/10W		R3379 R3380 R3381	1-216-655-11 1-216-661-11 1-216-025-00	METAL CHIP METAL CHIP METAL GLAZE	1.5K 2.7K 100 0	0.50%	1/10W 1/10W 1/10W 1/10W	
R3308 R3309 R3310		METAL GLAZE METAL GLAZE	33K 560 1K 10	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R3382 R3392 R3401	1-216-089-00	METAL GLAZE	47K 2.2K	5% 5%	1/10W 1/10W 1/10W	l

E2 E1

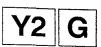
REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
R7313	1-216-049-00 1-216-047-00 1-216-057-00		1K 5% 820 5% 2.2K 5%	1/10W 1/10W 1/10W		C366 C367 C368 C369 C370	1-124-257-00 1-126-157-11 1-124-234-00 1-163-001-11	BLECT 2.2MF BLECT 10MF BLECT 22MF CERAMIC CHIP 22OPF CERAMIC CHIP 0.01MF	20% 20% 20% 10%	50V 16V 16V 50V 50V
X2301	1-577-071-11		RAMIC			C371	1-126-803-11		20%	167
	******			******	******	C372	1-124-589-11	ELECT 47MF CERAMIC CHIP 0.01MF	20% 10%	16V 50V
	*A-1346-138-A		PLETE			C378 C379	1-163-117-00 1-164-232-11	CERAMIC CHIP 100PF CERAMIC CHIP 0.01MF	5% 10%	50V 50V
	<cap.< td=""><td>ACITOR></td><td></td><td></td><td></td><td>C380 C381 C382</td><td>1-163-101-00</td><td>CERAMIC CHIP 680PF CERAMIC CHIP 22PF CERAMIC CHIP 0.1MF</td><td>5% 5% 10%</td><td>50V 50V 25V</td></cap.<>	ACITOR>				C380 C381 C382	1-163-101-00	CERAMIC CHIP 680PF CERAMIC CHIP 22PF CERAMIC CHIP 0.1MF	5% 5% 10%	50V 50V 25V
C301	1-163-010-11	CERAMIC CHIP	0.0012MF	10%	50V	C383 C384	1-164-004-11	CERAMIC CHIP 0.1MF CERAMIC CHIP 12PF	10% 5%	25V 50V
C303 C304	1-126-157-11 1-164-232-11	ELECT	10MF	20% 10%	16V 50V		1 105 075 00	12	2.0	
C305 C306	1-163-251-11 1-163-117-00		100PF	5% 5%	50V 50V			NECTOR>		
C309	1-164-505-11	CERAMIC CHIP	2.2MF		16V	E1-25 :	*1-564-521-11	PLUG, CONNECTOR 8P PLUG, CONNECTOR 6P		
C310 C314	1-163-109-00 1-124-667-11	ELECT	IOMF	5 % 20%	50V 16V	E1-26 E1-001	*1-564-522-11 1-573-965-21	PLUG, CONNECTOR 7P PIN, CONNECTOR (PC BOARD) 50P	
C315 C319	1-164-505-11 1-126-157-11	ELECT	2.2MF 10MF	20%	16V 16V		<010	Dr.		
C320	1-124-465-00	ELECT	0.47MF	20%	50V	D201		_		
C321 C322	1-163-125-00 1-163-003-11	CERAMIC CHIP	330PF	5% 10%	50V 50V	D301 D302	8-719-404-46 8-719-404-46	DIODE MAIIO		
C323 C324	1-163-099-00 1-124-234-00	CERAMIC CHIP ELECT	22MF	5% 20%	50V 16V	D303 D304 D305	8-719-404-46 8-719-404-46 8-719-404-46	DIODE MA110		
C325 C326	1-104-563-11 1-104-563-11		0.1MF 0.1MF	5% 5%	16V 16V	D305	8-719-158-15	DIODE RD5.6SB		
C327 C328	1-104-563-11 1-126-157-11	FILM CHIP	0.1MF 10MF	5% 20%	16V 16V	D307 D310	8-719-404-46 8-719-158-15			
C329	1-126-157-11	ELECT	10MF	20%	16V	D312 D313	8-719-404-46 8-719-404-46	DIODE MAIIO DIODE MAIIO		
C330 C331	1-126-157-11 1-126-301-11	ELECT ELECT	10MF 1MF	20% 20%	16V 50V	D314	8-719-404-46	DIODE MAIIO		
C332 C333	1-124-584-00 1-163-037-11	ELECT CERAMIC CHIP	100MF 0.022MF	20% 10%	10V 25V	D315 D316	8-719-404-46 8-719-404-46			
C334	1-137-491-11	FILM CHIP	0.1MF	5%	25V	D317 D318	8-719-404-46 8-719-404-46	DIODE MA110 DIODE MA110		
C335 C336		FILM Elect	0.22MF 1MF 1MF	5% 20%	50V 50V	D319	8-719-404-46			
C337 C338	1-126-301-11 1-124-584-00	ELECT	100MF	20% 20%	50V 10V	D320 D321	8-719-404-46 8-719-400-94	DIODE MA110 DIODE MA3130		
C339	1-126-801-11		1MF	20%	50V		.0.01			
C340 C341	1-163-009-11 1-126-157-11	ELECT	10MF	10% 20%	50V 16V	D1 700		AY LINE>		
C342 C343	1-124-465-00 1-124-589-11	ELECT ELECT	0.47MF 47MF	20% 20%	50V 16V	DL302	1-415-817-11	DETAX TINE		
C344	1-164-232-11	CERAMIC CHIP		10% 10%	50V 50V	 	<10	•		
C346 C348 C350	1-164-232-11 1-163-117-00 1-126-301-11	CERAMIC CHIP CERAMIC CHIP ELECT		5% 20%	50V 50V 50V		8-752-058-68 8-752-057-68			
C351 C352	1-163-002-11 1-164-489-11	CERAMIC CHIP	270PF	10% 10%	50V 50V 16V	10302	0 132-031 00	IC CAN1404NJ		
	1-126-163-11	ELECT	4.7MF	20%	50V		<c01< td=""><td>L></td><td></td><td></td></c01<>	L>		
C353 C355 C356	1-124-465-00 1-163-017-00	BLECT CERAMIC CHIP	0.47MF	20% 10%	50V 50V	L301 L307	1-410-064-11	INDUCTOR 2.7MMH INDUCTOR CHIP 15UH		
C357 C360	1-163-117-00 1-137-491-11	CERAMIC CHIP	100PF 0.1MF	5% 5%	50V 25V	L308		INDUCTOR CHIP 220H		
C361	1-126-301-11	ELECT	1MF	20%	50V		<tr.< td=""><td>ANSISTOR></td><td></td><td></td></tr.<>	ANSISTOR>		
C362 C363	1-164-232-11 1-164-232-11	CERAMIC CHIP CERAMIC CHIP	0.01MF	10% 10%	50V 50V	0301	8-729-925-79	TRANSISTOR IMX3		
C364 C365	1-126-301-11 1-164-343-11	ELECT CERAMIC CHIP	1MF 0.056MF	20% 10%	50V 25V	Q302 Q303	8-729-925-79 8-729-120-28			



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
Q304 Q305 Q306 Q307 Q309	8-729-907-46 8-729-925-79 8-729-120-28 8-729-903-10 8-729-120-28	TRANSISTOR IMZ1 TRANSISTOR IMX3 TRANSISTOR 2SC1623-L5L6 TRANSISTOR FMW1 TRANSISTOR 2SC1623-L5L6		R352 R353 R354 R355 R356	1-216-011-00 1-216-001-00 1-216-049-00 1-216-001-00 1-216-001-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	27 10 1K 10 10	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
Q310 Q311 Q312 Q314 Q315	8-729-120-28 8-729-403-27 8-729-120-28 8-729-403-27 8-729-120-28	TRANSISTOR 1MZ1 TRANSISTOR 1MX3 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR XN4401 TRANSISTOR XN4401 TRANSISTOR ZSC1623-L5L6 TRANSISTOR ZSC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 1MX3 TRANSISTOR 1MX3 TRANSISTOR 2SA1162-G		R357 R358 R359 R360 R361	1-216-049-00 1-216-049-00 1-216-049-00 1-216-119-00 1-216-025-00	METAL GLAZE METAL GLAZE		5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
Q316 Q317 Q321 Q322 Q323	8-729-120-28 8-729-216-22 8-729-925-79 8-729-216-22 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 1MX3 TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6		R362 R363 R364 R365 R366	1-216-079-00 1-216-295-00 1-216-045-00 1-216-017-00 1-216-001-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	18K 0 680 47 10	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
0326 0327 0328	8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6		R368 R369 R370 R371	1-216-045-00 1-216-001-00 1-216-033-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	680 10 220 220 220	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
Q333 Q334 Q335 Q340 Q342	8-729-925-79 8-729-120-28 8-729-907-46 8-729-120-28 8-729-925-79	TRANSISTOR 2SC1623-L5L6 TRANSISTOR IMZ1 TRANSISTOR 2SC1623-L5L6 TRANSISTOR IMX3		R372 R373 R374 R375 R376	1-216-031-00 1-216-671-11 1-216-037-00 1-216-037-00 1-216-037-00	METAL GLAZE	180 6.8K 330 330 330	5% 0.50% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
Q344		TRANSISTOR 2SA1162-G SISTOR>		R377 R378 R379	1-216-033-00 1-216-033-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 220 220 220 220	5%% 5%% 5%% 5%%	1/10W 1/10W 1/10W 1/10W	
R301 R302 R303 R304 R305	1-216-025-00 1-216-057-00 1-216-079-00 1-216-081-00 1-216-069-00 1-216-081-00	METAL GLAZE 2.2K 5% METAL GLAZE 18K 5% METAL GLAZE 22K 5% METAL GLAZE 6.8K 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R381 R382 R383 R384 R385 R386	1-216-033-00 1-216-033-00 1-216-653-11 1-216-041-00 1-216-081-00 1-216-687-11	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE	220 220 1.2K 470 22K 33K		1/10W 1/10W	
R307 R308 R309 R310	1-216-089-00 1-216-037-00 1-216-073-00 1-216-065-00 1-216-043-00	METAL GLAZE 22K 5% METAL GLAZE 47K 5% METAL GLAZE 330 5% METAL GLAZE 10K 5% METAL GLAZE 4.7K 5% METAL GLAZE 560 5%	1/10W 1/10W 1/10W 1/10W	R387 R388 R389 R390 R391	1-216-033-00 1-216-033-00 1-216-081-00 1-216-033-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 220 22K 220 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R313 R314 R316 R317	1-216-035-00 1-216-061-00 1-216-035-00 1-216-121-00 1-216-039-00	METAL GLAZE 270 5% METAL GLAZE 3.3K 5% METAL GLAZE 270 5% METAL GLAZE 1M 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R393 R394 R395 R397 R398	1-216-051-00 1-216-109-00 1-216-071-00 1-216-081-00 1-216-081-00	METAL GLAZE	1.2K 330K 8.2K 22K 22K	5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R325 R326 R331 R332	1-216-033-00 1-216-057-00 1-216-017-00 1-216-657-11 1-216-051-00	METAL GLAZE 220 5% METAL GLAZE 2.2K 5% METAL GLAZE 47 5% METAL CHIP 1.8K 0.5	1/10W 1/10W 1/10W 0% 1/10W 1/10W	R399 R1301 R1302 R1303 R1304	1-216-077-00 1-216-049-00 1-216-045-00 1-216-085-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	15K 1K 680 33K 22K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R333 R336 R338 R339 R340	1-216-047-00 1-216-043-00 1-216-047-00 1-216-651-11 1-216-043-00	METAL GLAZE 820 5% METAL GLAZE 560 5% METAL GLAZE 820 5% METAL CHIP 1K 0.5	1/10W 1/10W 1/10W 0% 1/10W 1/10W	R1305 R1306 R1307 R1308 R1309	1-216-025-00 1-216-057-00 1-216-073-00 1-216-065-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 2.2K 10K 4.7K 100	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R343 R344 R345 R346	1-216-077-00 1-216-081-00 1-216-292-11 1-216-081-00 1-216-081-00	METAL GLAZE 15K 5% METAL GLAZE 22K 5% METAL GLAZE 8.2M 5% METAL GLAZE 22K 5%	1/10W 1/10W 1/8W 1/10W 1/10W	R1310 R1311 R1312 R1313 R1314	1-216-045-00 1-216-049-00 1-216-073-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	680 1K 10K 22K 4.7K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	 - -
R348 R349 R350 R351	1-216-049-00 1-216-295-00 1-216-089-00 1-216-674-11	METAL GLAZE 1K 5% METAL GLAZE 0 5% METAL GLAZE 47K 5%	1/10W 1/10W 1/10W 1/10W 50% 1/10W	R1315 R1316 R1317	1-216-049-00 1-216-081-00	METAL GLAZE METAL GLAZE	1 K 22 K 10 K	5% 5% 5%	1/10W 1/10W 1/10W)]

E1 Y2

REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R1319 R1320 R1321	1-216-065-00 1-216-065-00 1-216-063-00 1-216-081-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 4.7K 3.9K 22K 3.3K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		 	*A-1394-532-A <cap< td=""><td>Y2 BOARD, COM ************************************</td><td></td><td></td><td></td></cap<>	Y2 BOARD, COM ************************************			
R1324 R1325 R1326	1-216-089-00 1-216-045-00 1-216-025-00 1-216-073-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47K 680 100 10K 220	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C401 C424 C425 C426 C427	1-126-301-11	ELECT ELECT ELECT	22MF 1MF 1MF 1MF 0.47MF	20% 20% 20% 20% 20%	16V 50V 50V 50V 50V
R1329 R1330 R1331	1-216-033-00 1-216-077-00 1-216-081-00 1-216-081-00 1-216-129-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 15K 22K 22K 2.2M	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C428 C429 C430 C431 C432		ELECT ELECT ELECT	4.7MF 100MF 10MF 1MF 1MF	20% 20% 20% 20% 20%	50V 25V 50V 50V 50V
R1346 R1347 R1348	1-216-033-00 1-216-049-00 1-216-049-00 1-216-049-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 1K 1K 1K 1OK	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C433 C434 C435 C436 C437		FILM ELECT	1MF 1MF 0.033MF 1MF 0.022MF	20% 20% 5% 20% 5%	16V 50V 50V 50V 50V
R1352 R1353 R1354	1-216-091-00 1-216-039-00 1-216-053-00 1-216-081-00 1-216-017-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	56K 390 1.5K 22K 47	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C438 C439 C440 C441 C442	1-126-301-11 1-104-792-51 1-126-301-11 1-126-301-11 1-124-261-00	ELECT ELECT ELECT	1MF 33MF 1MF 1MF 10MF	20% 20% 20% 20% 20%	50V 16V 50V 50V 50V
R1357 R1358 R1362	1-216-057-00 1-216-081-00 1-216-033-00 1-216-105-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 22K 220 220K 470	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C443 C444 C445 C446 C447	1-124-589-11 1-126-163-11 1-126-163-11 1-124-234-00 1-126-301-11	ELECT	47MF 4.7MF 4.7MF 22MF 1MF	20% 20% 20% 20% 20%	16V 50V 50V 16V 50V
R1373 R1374 R1379	1-216-053-00 1-216-049-00 1-216-025-00 1-216-079-00 1-216-075-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 1K 100 18K 12K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C448 C449 C450 C451 C452	1-136-170-00 1-163-009-11 1-137-366-11 1-124-261-00 1-124-261-00	CERAMIC CHIP	0.27MF 0.001MF 0.0022MF 10MF 10MF	5% 10% 5% 20% 20%	50V 50V 50V 50V 50V
R1382 R1383 R1384	1-216-041-00 1-216-079-00 1-216-077-00 1-216-049-00 1-216-037-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 18K 15K 1K 330	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C453 C454 C455 C456 C457	1-131-347-00 1-136-171-00 1-136-175-00	TANTALUM TANTALUM FILM FILM	0.0022MF 3.3MF 1MF 0.33MF 0.68MF	5% 10% 20% 5% 5%	50V 16V 16V 50V 50V
R1387 R1388 R1389	1-216-037-00 1-216-045-00 1-216-001-00 1-216-097-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE	330 680 10 100K 100K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C458 C459 C460 C461 C462	1-126-101-11 1-126-101-11 1-126-101-11 1-124-499-11 1-124-499-11	ELECT ELECT ELECT ELECT ELECT	100MF 100MF 100MF 1MF 1MF	20% 20% 20% 20% 20%	16V 16V 16V 50V 50V
R1392 R1394 R1395	1-216-097-00 1-216-081-00 1-216-081-00 1-216-081-00 1-216-125-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100K 22K 22K 22K 1.5M	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C465 C466 C467 C468 C469	1-130-485-00 1-130-485-00 1-136-169-00 1-136-169-00 1-126-157-11	MYLAR MYLAR FILM FILM BLBCT	0.015MF 0.015MF 0.22MF 0.22MF 10MF	5% 5% 5% 20%	50V 50V 50V 50V 16V
R5301 R5302 R5303	1-216-065-00 1-216-057-00 1-216-073-00 1-216-073-00 1-216-085-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 2.2K 10K 10K 33K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C470 C471 C472 C473 C474	1-126-157-11 1-124-589-11 1-164-232-11 1-164-232-11 1-124-234-00	ELECT ELECT CERAMIC CHIP CERAMIC CHIP ELECT		20% 20% 10% 10% 20%	16V 16V 50V 50V 16V
R5305	1-216-085-00 <cr< td=""><td>METAL GLAZE YSTAL></td><td>33K</td><td>5%</td><td>1/10W</td><td></td><td>C475 C476 C477 C478</td><td>1-164-232-11 1-124-234-00 1-164-232-11 1-124-478-11</td><td>CERAMIC CHIP ELECT CERAMIC CHIP ELECT ELECT</td><td>22MF</td><td>10% 20% 10% 20% 20%</td><td>50V 16V 50V 25V 50V</td></cr<>	METAL GLAZE YSTAL>	33K	5%	1/10W		C475 C476 C477 C478	1-164-232-11 1-124-234-00 1-164-232-11 1-124-478-11	CERAMIC CHIP ELECT CERAMIC CHIP ELECT ELECT	22MF	10% 20% 10% 20% 20%	50V 16V 50V 25V 50V
X301 *****	1-567-505-11	OSCILLATOR,			*****	******	C479 C480 C481 * C482 C483	1-126-163-11 1-124-768-11 1-124-768-11 1-126-163-11 1-163-113-00	ELECT ELECT ELECT	4.7MF 4.7MF 4.7MF	20% 20% 20% 5%	50V 50V 50V 50V



	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
C484 C485 C487 C488	1-163-113-00 1-163-038-00 1-164-232-11 1-164-232-11	CERAMIC CHIP 68 CERAMIC CHIP 0. CERAMIC CHIP 0. CERAMIC CHIP 0.	PF 5 1MF 01MF 1 01MF 1	% 50V 25V 0% 50V 0% 50V	R496 R497 R498	1-216-025-00 1-216-033-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 5% 220 5% 100 5%	1/10W 1/10W 1/10W	
	<con1< td=""><td>NECTOR></td><td></td><td></td><td>R499 R500 R501 R502 R503</td><td>I-216-025-00 1-216-081-00 1-216-669-11 1-216-033-00 1-216-663-11</td><td>METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE METAL CHIP</td><td>220 5%</td><td>1/10W 1/10W 1/10W 1/10W 1/10W</td><td></td></con1<>	NECTOR>			R499 R500 R501 R502 R503	I-216-025-00 1-216-081-00 1-216-669-11 1-216-033-00 1-216-663-11	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE METAL CHIP	220 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	NO I O >				R504 R507	1-216-675-11 1-216-295-00	METAL CHIP METAL GLAZE	10K 0.50%	1/10W 1/10W	
D405 D406	8-719-107-13	DIODE RD18M-B1 DIODE RD18M-B1			R509 R510 R512	1-216-065-00 1-216-061-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 3.3K 5% 4.7K 5%	1/10W 1/10W 1/10W	
D407 D408 D409	8-719-107-13 8-719-105-83 8-719-981-50	DIODE RD18M-B1 DIODE RD5.1M-B3 DIODE RB-100A			R513 R515	1-216-667-11 1-216-295-00	METAL CHIP METAL GLAZE	4.7K 0.50% 0 5%	1/10W 1/10W	
D410 D413 D414		DIODE RB-100A DIODE RD6.2SB			R517 R518 R519	1-216-025-00 1-216-089-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 100 5% 47K 5% 0 5%	1/10W 1/10W 1/10W	
D415	8-719-158-55	DIODE RD15SB			R521 R522 R523	1-216-061-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 5% 220 5% 220 5% 4.7K 5% 5.6K 5%	1/10W 1/10W 1/10W	
1.0403	<1C> 8-759-996-43	IC RC4558PS			R524 R525	1-216-065-00 1-216-067-00	METAL GLAZE METAL GLAZE	4.7K 5% 5.6K 5%	1/10W 1/10W	
1 C404 1 C406 1 C407	8-759-067-24 8-752-037-24 8-759-245-75 8-752-057-18	IC 24CO4AI/P IC CXA1264AS IC TA8184P			R526 R527 R528 R529 R531	1-216-049-00 1-218-754-11 1-216-691-11 1-216-097-00 1-216-097-00	METAL GLAZE METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE	1K 5% 120K 0.505 47K 0.505 100K 5% 100K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	<tra< td=""><td>NSISTOR></td><td></td><td></td><td>R532 R533</td><td>1-216-097-00 1-216-097-00</td><td>METAL GLAZE METAL GLAZE</td><td>100K 5% 100K 5%</td><td>1/10W 1/10W</td><td></td></tra<>	NSISTOR>			R532 R533	1-216-097-00 1-216-097-00	METAL GLAZE METAL GLAZE	100K 5% 100K 5%	1/10W 1/10W	
Q404 Q405 Q409 Q410	8-729-216-22 8-729-120-28	TRANSISTOR 2SA1 TRANSISTOR 2SA1 TRANSISTOR 2SC1 TRANSISTOR 2SC1	162-G 623-L5L6		R535 R536 R537	1-216-049-00 1-216-065-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 4.7K 5% 5.6K 5%	1/10W 1/10W 1/10W	
	<res< td=""><td>ISTOR></td><td></td><td></td><td>R538 R539 R540</td><td>1-218-754-11 1-216-691-11 1-216-025-00</td><td>METAL CHIP METAL CHIP METAL GLAZE</td><td>47K 0.50</td><td>% 1/10W % 1/10W 1/10W</td><td></td></res<>	ISTOR>			R538 R539 R540	1-218-754-11 1-216-691-11 1-216-025-00	METAL CHIP METAL CHIP METAL GLAZE	47K 0.50	% 1/10W % 1/10W 1/10W	
R447 R453	1-216-033-00 1-216-033-00	METAL GLAZE 2	220 5% 220 5%	1/10W 1/10W	R541 R542	1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE	100 5% 100 5% 100 5%	1/10W 1/10W	
R464 R465 R466	1-216-081-00 1-216-081-00 1-216-025-00	METAL GLAZE 2	220 5% 220 5% 22K 5% 22K 5% 000 5%	1/10W 1/10W 1/10W	R543 R546 R547	1-216-025-00 1-216-682-11 1-208-812-11	METAL GLAZE METAL CHIP METAL CHIP	20K 0.50	1/10W 1/10W 1/10W	
R467 R468 R469	1-216-033-00 1-216-033-00 1-216-055-00	METAL GLAZE 2	220 5% 220 5% L 8K 5%	1/10W 1/10W 1/10W	*****	************* *A-1316-180-A			******	******
R470 R471	1-216-033-00 1-216-033-00 1-216-033-00	METAL GLAZE 2	220 5% 220 5%	1/10W 1/10W 1/10W			**************************************	****		
R472 R473 R474	1-216-686-11 1-216-295-00 1-216-295-00	METAL GLAZE (30K 0.50%) 5%) 5%	1/10W 1/10W 1/10W		4-382-854-11	SCREW (M3X10), P, SW (+)		
R475 R476	1-216-293-00 1-216-055-00 1-216-669-11	METAL GLAZE	18K 5%	1/10W 1/10W 1/10W	C601	<caf 1-161-830-00</caf 	ACITOR> CERAMIC	4700PF	10%	500V
R477 R478 R479	1-216 675-11 1-216-089-00 1-216-669-11	METAL GLAZE	47K 5%	1/10W 1/10W 1/10W	C602 C603 C605	1-130-317-00 1-124-634-11 1-164-143-11	FILM ELECT CERAMIC	0.068MF 1MF 0.001MF	5% 20% 10%	100V 250V 1KV
R480 R481	1-216-675-11 1-216-089-00	METAL CHIP	10K 0.50% 47K 5%	1/10W 1/10W 1/10W	C606 C607	1-124-563-11 1-124-563-11	ELECT ELECT	2200MF 2200MF	20% 20%	25V 25V
R482 R483 R485	1-216-089-00 1-216-089-00 1-216-073-00	METAL GLAZE METAL GLAZE	47K 5% 47K 5% 10K 5%	1/10W 1/10W 1/10W	C608 C609 C612	1-128-484-11 1-137-141-11 1-124-962-11	ELECT Film Elect	100MF 0.082MF 2200MF	20% 3% 20%	200V 600V 25V
R486 R488	1-216-073-00 1-216-295-00	METAL GLAZE	10K 5% 10K 5% 0 5%	1/10W 1/10W	C614	1-104-965-11 1-124-798-11	ELECT BLECT	10MF	0 20%	160V
R494 R495	1-216-025-00 1-216-025-00		100 5% 100 5%	1/10W 1/10W	C616 C617	1-124-557-11 1-164-143-11	ELECT CERAMIC	1000MF 0.001MF	20% 10%	25V 1KV



Les composants identifies par une trame et une marque A sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark 🛆 are critical for safety.

Replace only with part number specified.

REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C619 1-164-735-11 C620 1-136-721-21 C621 1-164-143-11	CAP, CERAMIC 15 FILM 1. CERAMIC 0.	.5MF 10 .001MF 10	0% 0%	200V 400V 1KV	D616 D617 D618	8-719-110-02 8-719-911-19	DIODE RD7.5ESB1 DIODE 1SS119	
C622 1-136-853-11 C623 1-137-087-11 C624 1-126-771-11 C625 1-126-183-11 C626 1-126-373-11	FILM 0. BLECT 10 BLECT 10	.068MF 35 00MF 20 000MF 20	% .0% .0%	200V 0 160V 16V 10V	D619 D620 D621 D622 D623	8-719-975-76 8-719-988-31 8-719-908-03 8-719-908-03 8-719-110-63	DIODE SB140 DIODE DIOSCOMR DIODE GPO8D DIODE GPO8D DIODE RD24ESB3	
C628 1-161-830-00 C629 1-128-550-11 C631 1-126-803-11 C632 1-124-903-11	CERAMIC 47 ELECT 22 ELECT 47 ELECT 1M	700PF 10 200MF 20 7MF 20 MF 20	0% 10% 10%	500V 50V 50V 50V	D624 D626 D628 D629 D631	8-719-110-49 8-719-911-19	DIODE RD5.6ESB2 DIODE GPO8D DIODE RD18ESB2 DIODE 1SS119 DIODE 1SS119	
C637 ▲ 1-136-311-51	ELECT 47	7MF 2 .47MF 2 .0047MF	.0% .0%	50V 16V 125V 400V 200V	D632 D633 A D634 D636 D638	8-719-505-60 8-719-911-19 8-719-109-85	DIODE SIVB40 DIODE S5VB60 DIODE ISSI19 DIODE RD5.1ESB2 DIODE ISSI19	的學們的開業的資本 總額模基 等
C640 A 1-136-311-51 C641 1-126-101-11	FILM 0. ELECT 10	.47MF 2 00MF 2	20% 20%	125 V 16V	D640 D650	8-719-510-09	DIODE DIOSCOM DIODE RD27FB2	
C644 1-126-104-11 C646 1-124-907-11 C647 1-164-486-51 C648 1-125-692-11	ELECT 10 CERAMIC 0. ELECT(BLOCK) 82	70MF 2 0MF 2 .0033MF 2 20MF 2	20% 20% 20% 20%	400V 35V 50V 400V 200V	} 	<fus 1-576-193-11 1-533-223-11</fus 		
C649 A-1-164-486-51 C650 A-1-161-743-71 C651 1-124-477-11	CERAMIC 0. ELECT 47	.0047MF 2 7MF 2	20% 20%	400V 400V 16V		<fer< td=""><td>RITE BEAD></td><td></td></fer<>	RITE BEAD>	
C652 1-102-074-00 C653 1-126-101-11 C660 1-102-125-00	ELECT 10	00MF 2	10% 20% 10%	50V 16V 50V	FB604	1-410-396-41	FERRITE BEAD INDUCTO FERRITE BEAD INDUCTO FERRITE BEAD INDUCTO	IR 0.45UH
C661 1-102-125-00 C662 1-124-927-11 C663 1-126-946-11	CERAMIC 0. ELECT 4.	.0047MF 1 .7MF 2	10% 20% 20%	50V 50V 16V	FB607	1-410-397-21 1-410-396-41	FERRITE BEAD INDUCTO	DR 1.1UH
C664 1-126-946-11	ELECT 68	800MF 2	20% 10%	16V 50V	FB622 FB630	1-410-397-21 1-410-397-21 1-410-396-41 1-410-396-41	FERRITE BEAD INDUCTO FERRITE BEAD INDUCTO FERRITE BEAD INDUCTO FERRITE BEAD INDUCTO	DR 1.1UH DR 0.45UH
<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td>: : :</td><td><1C></td><td></td><td></td></con<>	NECTOR>				: : :	<1C>		
G1 1-508-786-00 G2 *1-564-512-11 G3 *1-564-507-11 G4 *1-564-511-11 G5 *1-564-508-11	PIN, CONNECTOR PLUG, CONNECTOR PLUG, CONNECTOR PLUG, CONNECTOR PLUG, CONNECTOR	R 9P R 4P R 8P) 2P			8-749-921-89 8-759-231-58		经过程的 基本或类似。
G6 *1-564-506-11	PLUG, CONNECTOR	R 3P			1.601	1.409.421.00		ı
G8 *1-580-843-11 G10 1-508-786-00	PLUG, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR PLUG, CONNECTOR	: (POWER) : (5MM PITCH)) 2P		L601 L602 L604 L605 L607	1-408-421-00 1-459-862-11 1-408-404-00 1-412-526-11 1-408-404-00	INDUCTOR 100U COIL, CHOKE 90UH INDUCTOR 3.9U INDUCTOR 12UH INDUCTOR 3.9U	H
<010					L611 L612	1-412-546-41 1-412-540-31	INDUCTOR 560U INDUCTOR 180U	
D602 8-719-979-58 D603 8-719-500-67 D604 8-719-510-09 D605 8-719-988-31	DIODE EGP10D DIODE D5KC40H DIODE D10SC6M DIODE D10SC6MR	ı				<tr<i>i</tr<i>	ANSISTOR>	
D607 8-719-025-81 D608 8-719-109-86 D609 8-719-109-84 D610 8-719-979-58	DIODE S3V10SB DIODE RD5.1ESB DIODE RD5.1ESB DIODE EGP10D	33			Q603 Q604 Q607 Q608 Q609	8-729-011-15 8-729-119-80 8-729-119-78 8-729-326-11 8-729-119-76	TRANSISTOR 2SC2785-	LK HFE
D611 8-719-979-58 D613 8-719-300-33 D614 8-719-979-58 D615 8-719-975-76					Q610 Q611 Q612 Q613	8-729-820-82 8-729-820-82 8-729-386-12 8-729-209-15	TRANSISTOR 2SA1208-	S

The components identified by shading and mark $ilde{\Delta}$ are critical for safety.

Replace only with part number specified.

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REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION		:	REMARK
Q614 Q615 Q616 Q618 Q620	8-729-011-15 8-729-820-82 8-729-017-05 8-729-119-76 8-729-119-78	TRANSISTOR 2SC TRANSISTOR 2SA TRANSISTOR 2SA TRANSISTOR 2SA TRANSISTOR 2SC	1208-S 1837 1175-HFE			R662 A R663 A	1-202-884-91 11-205-900-11 11-215-904-71	CARBON SOLID WIREWOUND METAL OXIDE	470 5% 820K 20% 1.2 5% 100K 5% 0.47 5%	1/2W 1/2W 15W 2W 1/4W	F.
Q621 Q622 Q623 Q624 Q625	8-729-119-78 8-729-119-78 8-729-119-76 8-729-119-76 8-729-119-78	TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SA TRANSISTOR 2SA TRANSISTOR 2SC	:2785-HFE \1175-HFE \1175-HFE			R667 A R668 A R669 R675	1-215-904-71 1-249-377-11 1-249-377-11	CARBON CARBON	2.2M 20% 100K 5% 0.47 5%	1/2W 2W 1/4W 1/4W	F F
Q626 Q627 Q629 Q630	8-729-119-78 8-729-119-78 8-729-378-84 8-729-255-12	TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SC	C2785-HFE D788-5			R676 R677 R678 R679	1-247-887-00 1-249-441-11 1-249-433-11 1-249-437-11 1-249-437-11	CARBON CARBON CARBON CARBON CARBON	0.47 5% 220K 5% 100K 5% 22K 5% 47K 5%	1/4W 1/4W 1/4W 1/4W	
	<res< td=""><td>ISTOR></td><td></td><td></td><td></td><td>R681 R682 R683</td><td>1-249-429-11 1-249-429-11 1-249-437-11</td><td>CARBON CARBON CARBON</td><td>10K 5% 10K 5%</td><td>1/4W 1/4W 1/4W</td><td></td></res<>	ISTOR>				R681 R682 R683	1-249-429-11 1-249-429-11 1-249-437-11	CARBON CARBON CARBON	10K 5% 10K 5%	1/4W 1/4W 1/4W	
R604 R605 R606	1-202-933-61 1-249-428-11 1-214-919-00	FUSIBLE CARBON METAL	0.1 10% 8.2K 5% 180K 1%	1/2W 1/4W 1/2W	F	R687	1-249-430-11 1-247-742-11	CARBON CARBON	12K 5%	1/4W 1/2W	F F
R609 R610	1-249-434-11 1-215-469-00	CARBON METAL	27K 5% 100K 1%		F	R691 R694 R697	1-249-433-11 1-249-421-11 1-249-382-11	CARBON CARBON CARBON	22K 5% 2.2K 5% 1.2 5%	1/4W 1/4W 1/4W	F
R611 R612 R613	1-249-421-11 1-202-883-11 1 -216-386-71	CARBON SOLID METAL OXIDE	2.2K 5% 680K 20% 0.56 5%	1/4W 1/2W 3W	F F	R698 Z	X 1-216-386-71	METAL OXIDE	₩ 0.56 5% ***	9 .	
R614 R615	1-249-418-11 1-215-441-00	CARBON METAL	0.56 5% 1.2K 5% 6.8K 1%	1/4W 1/4W	F		<re><rel< r="">\$1-515-805-21</rel<></re>				
R616 R617 R618	1-215-436-00 1-216-356-71 1-249-418-11	METAL METAL OXIDE CARBON	4.3K 1% 3.91 \\5% 1.2K 5%	1/4W 1W 1/4W	Rain in the same of the same o	1 RY6022	X 1-515-805-21	RELAY, POWER			
R619 . R620	∆ Î-216-444-71 1-249-418-11	CARBON METAL OXIDE :: CARBON	82K 5% 1.2K 5%	1W 1/4W	F F	1	<tra N 1-426-664-11</tra 	NSFORMER>		D [ጥ \	
R621 R622 R623 R624	1-249-396-11 1-249-424-11 1-249-417-11 1-215-471-00 A 1-216-386-71	CARBON CARBON CARBON METAL METAL OXIDE	18 5% 3.9K 5% 1K 5% 120K 1%	1/4W 1/4W 1/4W	F F	T603 Z T604 Z T605 Z	X 1-424-020-11 X 1-424-020-11 X 1-450-149-11 X 1-424-023-12 X 1-421-372-21	PRT TRANSFORMER, TRANSFORMER.	HEATER Line rilter		
TOTAL CONTRACTOR OF THE PARTY O	▲1-216-356-71 1-202-883-11		3.9 5% 680K 20%		F	T608 A	1 1-423-665-11	TRANSFORMER,	POWER		
R628	1-249-410-11 A 1-217-249-11 1-249-417-11	CARBON	270 5%	1/4W	F F	VVB4U	<va 1-809-786-11</va 	RISTOR>			
R632	1-215-469-00	METAL	100K 1%	1/4W	r	Same proprietary	*******	:	\$200 pt. sowe eight 41 8915 TV coor color recovered of a children.	arra schoraedhaann er Sc	2011 ALCO M. (Bridge) \$11 (40 11 11 11 11 11 11 11 11 11 11 11 11 11
R633 R634 R635 R636	1-249-429-11 1-249-441-11 1-215-897-11 1-249-383-11	CARBON CARBON METAL OXIDE CARBON	10K 5% 100K 5% 6.8K 5% 1.2 5%	1/4W 1/4W 2W 1/4W	F	 	*A-1331-337-A	********	*****		
R638 R639	1-249-405-11 1-249-405-11	CARBON CARBON	100 5% 100 5% 2.2K 5%	1/4W 1/4W	F F		4-373-933-01 4-382-854-11	SHEET (TRANS SCREW (M3X10			
R640 R641 R642	1-249-421-11 1-249-429-11 1-215-422-00	CARBON CARBON METAL	2.2K 5% 10K 5% 1.1K 1%	1/4W 1/4W 1/4W	F		<caf< td=""><td>PACITOR></td><td></td><td></td><td></td></caf<>	PACITOR>			
R643 R644 R645 R646 R649	1-249-441-11 1-249-415-11 1-249-417-11 1-215-446-00 1-249-424-11	CARBON CARBON CARBON METAL CARBON	100K 5% 680 5% 1K 5% 11K 1% 3.9K 5%	1/4W 1/4W 1/4W 1/4W 1/4W		C701 C702 C703 C704 C705	1-162-115-00 1-123-948-00 1-102-050-00 1-162-115-00 1-130-479-00	CERAMIC ELECT CERAMIC CERAMIC MYLAR	330PF 22MF 0.01MF 330PF 0.0047MF	10% 20% 10% 5%	2KV 250V 500V 2KV 50V
R650 R651 ■R652 R654 R655	1-249-377-11 1-215-429-00	CARBON METAL	0.47 5% 2.2K 1% 2.2K 1% 5.6K 5%	1/4W 1/4W	F	C706 C707 C709 C711	1-101-006-00 1-101-006-00 1-124-120-11 1-164-081-11	CERAMIC CERAMIC BLECT CERAMIC	0.047MF 0.047MF 220MF 470PF	20% 10%	50V 50V 16V 50V
R656	1-215-454-00	METAL	24K 1%	1/4W				NECTOR>	non (EWW DYM	711\ 1D	
к657	▲ 1-216-386-71	METAL OXIDE	U.56 5%	WE T	R	CR1	1-508-784-00	PIN, CONNEC	IUK (5MM PITO	ut) IP	

The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation Should replacement be required, replace only with the value originally used

KP-46S55/53S55 RM-Y125

CR CG

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie. The components identified by shading and mark ∆ are critical for safety
Replace only with part number specified.

REF.NO	. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK																																																																								
CR3 CR4 CR15	*1-508-765-00 *1-564-511-11 *1-564-508-11	PLUG, CONNECTO	R 8P	3P			*A-1331-338-A	*******	*****																																																																										
	<s0c< td=""><td>/FT></td><td></td><td></td><td></td><td></td><td>4-373-933-01 4-382-854-11</td><td>SHEET (TRANS SCREW (M3X10</td><td>ISTOR), BN), P, SW (+)</td><td></td><td></td></s0c<>	/FT>					4-373-933-01 4-382-854-11	SHEET (TRANS SCREW (M3X10	ISTOR), BN), P, SW (+)																																																																										
CRT70	1 <u>&</u> 1-251-179-11	:	RE TUBE	ATOMA A	Philips		<cap.< td=""><td>ACITOR></td><td></td><td></td><td></td></cap.<>	ACITOR>																																																																											
	<010	DE>				C731 C732	1-162-115-00 1-123-948-00	ELECT	330PF 22MF	10% 20%	2KV 250V																																																																								
D701 D702	8-719-911-19 8-719-911-19	DIODE 188119				C733 C734 C735	1-102-050-00 1-162-115-00 1-130-479-00	CERAMIC CERAMIC	0.01MF 330PF 0.0047MF	10% 5%	500V 2KV 50V																																																																								
D703 D704	8-719-911-19 8-719-911-19	DIODE 188119 DIODE 188119				C736	1-101-006-00	CERAMIC	0.047MF	2.6	50V																																																																								
D705 D706	8-719-911-19 8-719-911-19	DIODE 188119				C737 C739 C741	1-101-006-00 1-124-120-11 1-164-081-11	ELECT	0.047MF 220MF 470PF	20% 10%	50V 16V 50V																																																																								
0708	1-249-410-11		270 5%	1/4W		31.12		NECTOR>																																																																											
	<c01< td=""><td>L></td><td></td><td></td><td></td><td>CG1</td><td></td><td></td><td>OR (5MM PITC</td><td>H) 1P</td><td></td></c01<>	L>				CG1			OR (5MM PITC	H) 1P																																																																									
L701 L702 L704	1-408-429-00 1-249-470-11 1-408-413-00	CARBON	470UH 0.47 5% 22UH	1/2W	F	CG3 CG16	1-508-784-00 *1-508-765-00 *1-564-508-11	PIN, CONNECT PLUG, CONNEC	OR (5MM PITC TOR 5P	H) 3P																																																																									
1704			- 22011				<s00< td=""><td>KET></td><td></td><td></td><td></td></s00<>	KET>																																																																											
NI 701	<neo 1-519-108-99</neo 	N LAMP>				'CRT73'	1本1-251-179-11	SOCKET, PIC	TURE TUBE		V(40)																																																																								
10121							<d10< td=""><td>DE></td><td></td><td></td><td></td></d10<>	DE>																																																																											
U7 02	8-729-119-78	NSISTOR> TRANSISTOR 2SO	C2785-HFE			D731 D732	8-719-911-19 8-719-911-19	DIODE 188119)																																																																										
Q703 Q704 Q705	8-729-119-80 8-729-255-12 8-729-200-17	TRANSISTOR 250 TRANSISTOR 250 TRANSISTOR 250	C2688-LK C2551-0			D733 D734 D735	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 188119 DIODE 188119 DIODE 188119	İ																																																																										
q 706	8-729-200-17	TRANSISTOR 25	1091-0			D736	8-719-911-19	DIODE 188119)																																																																										
		ISTOR>				D737	8-719-911-19		•																																																																										
R701 R702	1-202-847-00 1-202-814-11 1-202-828-11	SOLID SOLID SOLID	33K 20%	1/2W 1/2W 1/2W		1721	<coi 1-408-429-00</coi 		470UH																																																																										
R705 R706 R708	1-202-561-00 1-249-405-11	SOLID CARBON	330 20%	1/2W	F	L731 L732 L734	1-249-470-11	CARBON	0.47 5% 22UH	1/2W	F																																																																								
R710	1 -249-405-11 1 -215-927-71 1-249-405-11	METAL OXIDE	47K 5%	1/4W 30 1/4W	F	1 	<nec< td=""><td>ON LAMP></td><td></td><td></td><td></td></nec<>	ON LAMP>																																																																											
R711 R712 R714	1-249-403-11 1-249-421-11 1-249-401-11	CARBON CARBON	2.2K 5%	1/4W 1/4W		NL731	1-519-108-99	LAMP, NEON																																																																											
R716 R717	1-247-807-31 1-249-403-11	CARBON CARBON	100 5% 68 5%	1/4W 1/4W			<tr <="" td=""><td>ANSISTOR></td><td></td><td></td><td></td></tr> <tr><td>R718 R719</td><td>1-249-412-11 1-249-410-11</td><td>CARBON CARBON</td><td>390 5% 270 5%</td><td>1/4W 1/4W</td><td></td><td>Q732 Q733 Q734</td><td>8-729-119-78 8-729-119-80 8-729-255-12</td><td>TRANSISTOR</td><td>2SC2688-LK</td><td></td><td></td></tr> <tr><td>R722 R724</td><td>1-215-399-00 1-215-409-00</td><td>METAL</td><td>330 1%</td><td>1/4W 1/4W</td><td>_</td><td>Q735 Q736</td><td>8-729-200-17 8-729-200-17</td><td>TRANSISTOR</td><td>2SA1091-0</td><td></td><td></td></tr> <tr><td>R726 R727</td><td>1-215-924-00 1-216-488-11</td><td>METAL OXIDE METAL OXIDE</td><td>15K 5% 18K 5%</td><td>3W 3W</td><td>F F</td><td></td><td><re< td=""><td>SISTOR></td><td></td><td></td><td></td></re<></td></tr> <tr><td></td><td><sp1< td=""><td>ARK GAP></td><td></td><td></td><td></td><td>R731</td><td>1-202-847-00</td><td>SOLID</td><td>560K 20%</td><td></td><td></td></sp1<></td></tr> <tr><td></td><td>2 1-519-422-11</td><td></td><td></td><td>والمستوال المستوال ا</td><td>ka aka aka da /td><td>R732 R735 R736 R738</td><td>1-202-814-11 1-202-828-11 1-202-561-00 1-249-405-11</td><td>SOLID</td><td>33K 20% 6.8K 20% 330 20% 100 5%</td><td>1/2W 1/2W 1/2W 1/4W</td><td></td></tr> <tr><td>****</td><td>***********</td><td>· # # # # # # # # # # # # # # # # # # #</td><td>*******</td><td>******</td><td>*****</td><td>! R739</td><td>1-249-405-11 ▲1-215-927-71</td><td>CARBON METAL OXIDE</td><td>100 5% 47K 5%</td><td>1/4W 3W</td><td>P</td></tr>	ANSISTOR>				R718 R719	1-249-412-11 1-249-410-11	CARBON CARBON	390 5% 270 5%	1/4W 1/4W		Q732 Q733 Q734	8-729-119-78 8-729-119-80 8-729-255-12	TRANSISTOR	2SC2688-LK			R722 R724	1-215-399-00 1-215-409-00	METAL	330 1%	1/4W 1/4W	_	Q735 Q736	8-729-200-17 8-729-200-17	TRANSISTOR	2SA1091-0			R726 R727	1-215-924-00 1-216-488-11	METAL OXIDE METAL OXIDE	15K 5% 18K 5%	3W 3W	F F		<re< td=""><td>SISTOR></td><td></td><td></td><td></td></re<>	SISTOR>					<sp1< td=""><td>ARK GAP></td><td></td><td></td><td></td><td>R731</td><td>1-202-847-00</td><td>SOLID</td><td>560K 20%</td><td></td><td></td></sp1<>	ARK GAP>				R731	1-202-847-00	SOLID	560K 20%				2 1-519-422-11			والمستوال المستوال ا	ka aka aka da	R732 R735 R736 R738	1-202-814-11 1-202-828-11 1-202-561-00 1-249-405-11	SOLID	33K 20% 6.8K 20% 330 20% 100 5%	1/2W 1/2W 1/2W 1/4W		****	***********	· # # # # # # # # # # # # # # # # # # #	*******	******	*****	! R739	1-249-405-11 ▲1-215-927-71	CARBON METAL OXIDE	100 5% 47K 5%	1/4W 3W	P
ANSISTOR>																																																																																			
R718 R719	1-249-412-11 1-249-410-11	CARBON CARBON	390 5% 270 5%	1/4W 1/4W		Q732 Q733 Q734	8-729-119-78 8-729-119-80 8-729-255-12	TRANSISTOR	2SC2688-LK																																																																										
R722 R724	1-215-399-00 1-215-409-00	METAL	330 1%	1/4W 1/4W	_	Q735 Q736	8-729-200-17 8-729-200-17	TRANSISTOR	2SA1091-0																																																																										
R726 R727	1-215-924-00 1-216-488-11	METAL OXIDE METAL OXIDE	15K 5% 18K 5%	3W 3W	F F		<re< td=""><td>SISTOR></td><td></td><td></td><td></td></re<>	SISTOR>																																																																											
	<sp1< td=""><td>ARK GAP></td><td></td><td></td><td></td><td>R731</td><td>1-202-847-00</td><td>SOLID</td><td>560K 20%</td><td></td><td></td></sp1<>	ARK GAP>				R731	1-202-847-00	SOLID	560K 20%																																																																										
	2 1-519-422-11			والمستوال المستوال ا	ka aka aka da	R732 R735 R736 R738	1-202-814-11 1-202-828-11 1-202-561-00 1-249-405-11	SOLID	33K 20% 6.8K 20% 330 20% 100 5%	1/2W 1/2W 1/2W 1/4W																																																																									
****	***********	· # # # # # # # # # # # # # # # # # # #	*******	******	*****	! R739	1-249-405-11 ▲1-215-927-71	CARBON METAL OXIDE	100 5% 47K 5%	1/4W 3W	P																																																																								

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REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO	. PART NO.	DESCRIPTION				REMARK
R741 R742 R744 R745 R746	1-249-405-11 1-249-421-11 1-249-401-11 1-215-455-00 1-247-807-31	CARBON CARBON METAL	100 5 2.2K 5 47 5 27K 1 100 5	% 1/4\ % 1/4\ % 1/4\ % 1/4\ % 1/4\	F 	NL761	<nec 1-519-108-99</nec 	N LAMP> LAMP, NEON				
R747 R748 R749 R752 R754 R756 R757	1-249-403-11 1-249-412-11 1-249-410-11 1-215-399-00 1-215-409-00 1-215-924-00 1-216-488-11	CARBON CARBON CARBON METAL METAL METAL METAL OXIDE METAL OXIDE	68 5 390 5 270 5 120 1 330 1	% 1/46 % 1/46 % 1/46 % 1/46]]]	Q762 Q763 Q764 Q765 Q766	<tra 8-729-119-78 8-729-119-80 8-729-255-12 8-729-200-17 8-729-200-17</tra 	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	5C2688- 5C2551- 5A1091-	LK 0 0		
		RK GAP>					<res< td=""><td>SISTOR></td><td></td><td></td><td></td><td></td></res<>	SISTOR>				
	1-519-422-11	GAP, SPARK	******	******	:******	R761 R762 R764 R765	1-202-847-00 1-202-814-11 1-202-842-11 1-202-828-11	SOLID SOLID SOLID	560K 33K 220K 6.8K	20% 20% 20%	1/2W 1/2W 1/2W 1/2W	
:	*A-1331-339-A	CB BOARD, COI				R766	1-202-561-00 1-249-405-11	SOLID CARBON	330 100	20% 5%	1/2W 1/4W	F
	4-373-933-01 4-382-854-11	SHEET (TRANS SCREW (M3X10	ISTOR), B), P, SW	N (+)		R769	1-249-405-11 1-215-927-71 1-249-405-11 1-249-421-11	CARBON	100 47K 100 2.2K	5% 5% 5% 5% 5%	1/4W 3W 1/4W 1/4W	F F
		ACITOR>				R773	1-249-413-11 1-249-401-11	CARBON CARBON	470 47	5% 5%	1/4W 1/4W	
C761 C762 C763 C764	1-162-115-00 1-123-948-00 1-102-050-00 1-162-115-00	ELECT CERAMIC CERAMIC	330PF 22MF 0.01MF 330PF	10% 20% 10%	2KV 250V 500V 2KV	R776 R777 R778	1-247-807-31 1-249-403-11 1-249-412-11	CARBON CARBON CARBON	100 68 390	5% 5% 5% 5%	1/4W 1/4W 1/4W	
C765 C766 C767 C769	1-130-479-00 1-101-006-00 1-101-006-00 1-124-120-11	MYLAR CERAMIC CERAMIC ELECT	0.0047MF 0.047MF 0.047MF 220MF	20%	50V 50V 50V 16V	R779 R782 R784 R785 R786	1-249-414-11 1-215-399-00 1-215-409-00 1-215-418-00 1-215-924-00	CARBON METAL METAL METAL METAL OXIDE	560 120 330 750 15K	5% 1% 1% 5%	1/4W 1/4W 1/4W 1/4W 3W	F
C771	1-164-081-11	CERAMIC	470PF	10%	50V	R787	1-216-488-11	METAL OXIDE	18K	5%	3W	F
CB1	<00N 1-508-784-00	NECTOR>	OR (5MM I	PITCH) 1P			<sp< td=""><td>ARK GAP></td><td></td><td></td><td></td><td></td></sp<>	ARK GAP>				
CB3 CB4	*1-508-765-00 *1-564-511-11	PIN, CONNECT PLUG, CONNEC	OR (5MM 1 Tor 8P	PITCH) 3P		1	2 1-519-422-11		****	*****	*****	*****
CB5 CB17	*1-564-511-61 *1-564-508-11	PLUG, CONNEC	TOR 5P				*1-650-883-11	DS BOARD	****		*******	
		CKET>						******				
CRT761	L A 1-251-179-11	SOCKET, PIC	TURE TUB			f	CA> 1 1-126-233-11	PACITOR>	22 M F		20%	25V
D761	<dio< td=""><td></td><td></td><td></td><td></td><td>C184</td><td>2 1-126-233-11</td><td>ELECT</td><td>22MF</td><td></td><td>20%</td><td>25V</td></dio<>					C184	2 1-126-233-11	ELECT	22MF		20%	25V
D761 D762 D763	8-719-911-19 8-719-911-19	DIODE 188119 DIODE 188119 DIODE 188119						NNECTOR>				
D764 D765	8-719-911-19 8-719-911-19	DIODE 188119 DIODE 188119				DS6	1-691-182-11	CONNECTOR (B	OARD T	O BOAH	(D) 12P	
D766 D768	8-719-911-19 8-719-911-19	DIODE 188119 DIODE 188119	l.			D104		ODE>				
D769	<001	DIODE RD4.7E	.582			D184	1 8-719-911-19 2 8-719-911-19 3 8-719-911-19 4 8-719-911-19	DIODE 188119 DIODE 188119))			
L761 L762 L764	1-408-429-00 1-249-470-11 1-408-413-00	CARBON	470UH 0.47 22UH		W F	I C18	<10 01 8-759-183-37					



REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
<re><re:< td=""><td>SISTOR></td><td></td><td></td><td></td><td>C1717 C1718 C1719</td><td>1-126-803-11 1-131-353-00 1-126-233-11</td><td>ELECT TANTALUM ELECT</td><td>47MF 10MF 22MF</td><td>20% 10% 20%</td><td>25V 25V 25V</td></re:<></re>	SISTOR>				C1717 C1718 C1719	1-126-803-11 1-131-353-00 1-126-233-11	ELECT TANTALUM ELECT	47MF 10MF 22MF	20% 10% 20%	25V 25V 25V
R1841 1-215-441-00 R1842 1-215-455-00 R1844 1-215-445-00 R1850 1-215-429-00 R1851 1-215-421-00	METAL	6.8K 1% 27K 1% 10K 1% 2.2K 1% 1K 1%	1/4W 1/4W 1/4W 1/4W 1/4W		C1720 C1721 C1722 C1724 C1725	1-130-491-00 1-130-491-00 1-130-491-00 1-126-233-11 1-102-963-00	MYLAR MYLAR MYLAR ELECT CERAMIC	0.047MF 0.047MF 0.047MF 22MF 33PF	5% 5% 20% 5%	50V 50V 50V 25V 50V
**************************************	D BOARD, COM	IPLETE ****		******	C1727 C1728 C1729	1-124-122-11 1-102-963-00 1-102-963-00 1-106-377-00 1-102-963-00	CERAMIC CERAMIC MYLAR	100MF 33PF 33PF 0.027MF 33PF	20% 5% 5% 5%	35V 50V 50V 200V 50V
4-382-854-11	SCREW (M3X10), P, SW (+)			C1731	1-124-122-11	ELECT MYLAR	100MF 0.027MF	20%	35V 200V
<ca C901 1-126-320-11</ca 	PACITOR>	10 M E	20%	16 V	C1733	1-102-963-00 1-102-963-00 1-124-122-11	CERAMIC	33PF 33PF 100MF	5% 5% 20%	50V 50V 35V
C902 I-124-477-11 C903 I-130-471-00 C904 I-130-471-00 C905 I-124-477-11		10MF 47MF 0.001MF 0.001MF 47MF		16V 50V 50V 16V	C1736 C1737 C1738 C1739	1-106-377-00 1-124-937-11 1-124-122-11 1-136-153-00	MYLAR ELECT ELECT FILM	0.027MF 10MF 100MF 0.01MF	20% 20% 5%	200V 16V 35V 50V
C906 1-126-233-11 C907 1-126-101-11 C908 1-124-907-11 C910 1-130-483-00 C911 1-131-341-00	ELECT Mylar	22MF 100MF 10MF 0.01MF 0.1MF	20% 20% 20% 5% 20%	50V 16V 50V 50V 16V	C1740 C1741 C1742 C1744	1-124-122-11 1-124-122-11 1-126-104-11 1-124-120-11	ELECT ELECT ELECT ELECT	100MF 100MF 470MF 220MF	20% 20% 20% 20%	35V 35V 35V 25V
C912 1-124 903-11 C913 1-126-233-11 C914 1-126-803-11 C915 1-124-927-11 C916 1-102-074-00	ELECT ELECT	1MF 22MF 47MF 4.7MF 0.001MF	20% 20% 20% 20% 10%	50V 50V 16V 50V 50V	C1755 C1756 C1757 C1758	1-106-220-00 1-106-220-00 1-106-220-00	MYLAR MYLAR MYLAR MYLAR	100MF 0.1MF 0.1MF 0.1MF 0.1MF	20% 10% 10% 10% 10%	25V 100V 100V 100V 100V
C917 1-130 471-00 C918 1-102-963-00 C919 1-102-963-00 C920 1-102-963-00	MYLAR CERAMIC CERAMIC	0.001MF 33PF 33PF 33PF	5% 5% 5% 5%	50V 50V 50V 50V	C1759 C1760	1-106-220-00	MYLAR MYLAR Elect	0.1MF 0.1MF 10MF 47MF	10% 10% 20% 20%	100V 100V 50V 16V
C921 1-102-963-00	CERAMIC	33PF 33PF		50V 50V	C1765	1-124-477-11 1-126-101-11 1-124-907-11	ELECT	47MF 100MF 10MF	20% 20% 20%	16V 16V 50V
C922 1-102-963-00 C923 1-102-963-00 C931 1-102-973-00 C932 1-124-903-11 C934 1-126-233-11	CERAMIC Blect	33PF 100PF 1MF 22MF	5% 5% 5% 20% 20%	50V 50V 50V 25V	C1770 C1771 C1772	1-130-495-00 1-124-907-11 1-124-907-11 1-102-074-00	MYLAR ELECT ELECT			50V 50V 50V 50V
C935 1-126-233-11 C936 1-126-233-11	ELECT		20% 20% 20%	25V 25V 25V	1 01001		NNECTOR>	0.001111	10%	301
C937 1-126-233-11 C938 1-126-233-11 C939 1-126-233-11	ELECT	22MF 22MF 22MF	20% 20% 20%	25V 25V 25V	D1	*1-564-510-11	PLUG, CONNE	CTOR 7P		
C940 1-126-233-11 C1701 1-124-907-11 C1702 1-124-907-1 C1703 1-124-907-11	ELECT BLECT ELECT	22MF 10MF 10MF 10MF	20% 20% 20% 20%	25V 50V 50V	D2 D3 D4 D5	*1-564-511-11 *1-564-512-11 *1-564-508-11 *1-564-511-11	PLUG, CONNE PLUG, CONNE PLUG, CONNE	CTOR 9P CTOR 5P CTOR 8P		
C1704 1-124-667-11 C1705 1-102-963-00 C1706 1-102-963-00 C1707 1-102-963-00 C1708 1-102-963-00	CERAMIC CERAMIC CERAMIC	10MF 33PF 33PF 33PF 33PF	20% 5% 5% 5% 5%	50V 50V 50V 50V 50V	D6 D7 D8 D9 D14	1-691-169-11 *1-564-507-11 *1-564-506-11 *1-564-507-11 *1-564-513-11	PLUG, CONNE PLUG, CONNE PLUG, CONNE	CTOR 4P CTOR 3P CTOR 4P		
C1709 1-102-963-00	CERAMIC	33PF	5%	50V		<01	ODE>			
C1710 1-102-963-00 C1711 1-126-233-1 C1712 1-126-233-1 C1713 1-131-353-00 C1714 1-124-120-1	L BLECT L BLECT) FANFALUM	33PF 22MF 22MF 10MF 220MF	5% 20% 20% 10% 20%	50V 50V 25V 25V 25V	D901 D902 D1702 D1704	8-719-900-95	DIODE 18811 DIODE 18811 DIODE VO9G	.9		
C1715 1-124-478-1 C1716 1-126-803 1		100MF 47MF	20% 20%	25V 25V	D1705	8-719-900-95 8-719-900-95				

The components identified by shading and mark \triangle are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTIO)N			REMARK
D1708 D1709 D1710		DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		0907 0908 0909	8-729-119-78 8-729-900-89 8-729-119-78	TRANSISTOR TRANSISTOR	DTC144ES 2SC2785-1	HFE		
D1712 D1713 D1714	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DESCRIPTION DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		Q910 Q911 Q912	8-729-119-78 8-729-119-76 8-729-119-76	TRANSISTOR	2SA1175-I	1FE		
D1716 D1717 D1718 D1720	8-719-911-19 8-719-911-19 8-719-911-19 8-719-109-50 8-719-109-50	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE RD2.0ESB1 DIODE RD2.0ESB1 DIODE RD2.0ESB1		R901 R902 R903 R904 R905	1-215-463-00 1-215-463-00 1-215-449-00 1-215-455-00 1-215-449-00	METAL METAL METAL METAL	56K 56K 15K 27K 15K	1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
D1722	8-719-109-50			R906 R907 R908 R909 R910	1-215-469-00 1-215-469-00			1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
F901 A	1-576-107-22 1-533-223-11 1-576-107-22 1-533-223-11	RUSE 3.15A/250V CLIP, FUSE; F901 FUSE 3.15A/250V CLIP, FUSE; F902			1-215-453-00 1-215-453-00 1-215-437-00	METAL	22K 22K	1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
I C901 I C902 I C903	<1C> 8-759-145-58 8-752-033-68 8-759-701-56	RUSE 3.15A/250V CLIP, FUSE; F901 FUSE 3.15A/250V CLIP, FUSE; F902 IC UPC4558C IC CXA1268P IC NJM79M05FA IC NJM79M05FA IC NJM7915FA IC UPC4558C IC UPC4558C IC PCA0036 IC M5220L IC M5220L IC M5220L IC STK4278-L IC UPC1498H IC UPC1498H IC UPC1498H IC UPC4558C IC UPC4558C IC UPC4558C		R916 R919 R920 R921 R922	1-215-457-00 1-215-399-00 1-215-399-00 1-215-399-00 1-215-399-00	METAL METAL METAL METAL METAL	33K 120 120 120 120	1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
10904 10905 10906 10907 10908	8-759-701-89 8-759-701-89 8-759-148-84 8-759-140-53 8-759-054-40	IC NJM7915FA IC UPC2415HF IC UPC4558C IC UPC4558C		R923 R924 R925 R926 R927	1-215-441-00 1-215-441-00 1-215-441-00 1-215-463-00 1-215-463-00	METAL METAL METAL METAL METAL	6.8K 6.8K 6.8K 56K 56K	1% 1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
IC1701 IC1702 IC1703 IC1704 IC1705	8-759-602-19 8-759-602-19 8-759-602-19 8-749-923-16 8-749-923-16	IC M5220L IC M5220L IC M5220L IC STK4278-L IC STK4278-L		R928 R929 R930 R931 R932	1-215-461-00 1-215-433-00 1-215-433-00 1-215-433-00 1-215-433-00	METAL	47K 3.3K 3.3K 3.3K 3.3K	1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
IC1706 IC1707 IC1708 IC1709 IC1710	8-759-113-13 8-759-113-13 8-759-113-13 8-759-145-58 8-759-145-58	IC UPC1498H IC UPC1498H IC UPC1498H IC UPC4558C IC UPC4558C		R933 R934 R935 R936 R937	1-215-433-00 1-215-433-00 1-215-439-00 1-215-439-00 1-215-439-00	METAL Metal	3.3K 3.3K 5.6K 5.6K 5.6K	1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
IC1714	8-759-145-58 8-759-145-58 8-759-145-58	16 07649986		R938 R939 R940 R941 R942	1-215-417-00 1-215-433-00 1-215-429-00 1-215-441-00 1-215-451-00	METAL METAL METAL METAL METAL	680 3.3K 2.2K 6.8K 18K	1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
L901 L901 L902 L902	<pre><c10 1-459-313-00="" 1-459-313-00<="" pre=""></c10></pre>	COIL WITH CORE (HWC) COIL WITH CORE (HWC) COIL WITH CORE (HWC) COIL WITH CORE (HWC)		R943 R944 R945 R946 R947	1-215-441-00 1-215-439-00 1-215-445-00 1-215-445-00 1-215-439-00	METAL METAL METAL METAL METAL	6.8K 5.6K 10K 10K 5.6K	1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
L903 L903 L904 L904	1-459-313-00 1-459-313-00 1-459-313-00 1-459-313-00	COIL WITH CORE (HWC) COIL WITH CORE (HWC) COIL WITH CORE (HWC) COIL WITH CORE (HWC)		R948 R949 R950 R951 R952	1-215-455-00 1-215-439-00 1-215-429-00 1-215-429-00 1-215-437-00	METAL Metal	27K 5.6K 2.2K 2.2K 4.7K	1% 1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
Q902 Q906	<tra 8-729-900-89 8-729-119-78</tra 	ANSISTOR> TRANSISTOR DTC144ES TRANSISTOR 2SC2785-HFE		R953 R954 R955 R956 R957	1-215-439-00 1-215-439-00 1-215-435-00 1-215-437-00 1-215-441-00	METAL Metal	5.6K 5.6K 3.9K 4.7K 6.8K	1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	



Les composants identifies par une trame et une marque A sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie.

REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R958 1-215-437-00 R959 1-215-439-00 R960 1-215-439-00 R961 1-215-439-00 R962 1-215-441-00	METAL 5. METAL 5. METAL 5.	.7K 1% .6K 1% .6K 1% .6K 1%	1/4W 1/4W 1/4W 1/4W 1/4W		R1727 R1728 R1729	1-215-886-71 1-214-792-00 1-214-792-00 1-214-792-00 1-247-807-31	METAL METAL METAL	100 1 1 1	5% 1% 1% 1% 5%	2W 1/2W 1/2W 1/2W 1/2W	F
R963 1-215-441-00 R964 1-215-441-00 R965 A 1-215-909-71 R966 1-215-469-00 R967 1-215-421-00	METAL 1	.K 1%	1/4W 1/4W 3W 1/4W 1/4W		R1731 R1732 R1733 R1734 R1735	1-249-417-11 1-247-807-31 1-247-807-31 1-247-807-31		100 100 100 100	55 55 55 55 55 55	1/4W 1/4W 1/4W 1/4W 1/4W	
R968 1-215-437-00 R969 1-249-421-11 R970 A1-215-909-71 R971 1-249-421-11 R972 1-249-431-11	METAL OXIDE 4 CARBON 2 CARBON 1	1.7K 1% 2.2K 5% 17 5% 2.2K 5% 5K 5%			R1736 R1737 R1738 R1739 R1740	1-249-423-11 1-249-423-11 1-249-423-11 1-249-423-11 1-249-417-11	CARBON CARBON CARBON CARBON	3.3K	5 % % % % % % % % % % % % % % % % % % %	1/4W 1/4W 1/4W 1/4W	
R973 1-249-431-11 R974 1-215-399-00 R975 1-215-399-00 R976 1-215-399-00 R977 1-215-399-00	METAL 1: METAL 1: METAL 1: METAL 1:	5K 5% 120 1% 120 1% 120 1% 120 1%	1/4W 1/4W 1/4W 1/4W 1/4W		R1742 R1743 R1744	1-249-423-11 1-249-417-11 1-249-411-11 1-247-807-31	CARBON CARBON CARBON	3.3K 1K 330	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R978 1-215-399-00 R979 1-215-399-00 R980 1-215-399-00 R981 1-215-399-00 R982 1-249-431-11	METAL I METAL I METAL I CARBON I	120 1% 120 1% 120 1% 120 1% 15K 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R1746 R17472 R1748 R1749 R1750	1-215-886-71 1-215-421-00 1-215-421-00 1-215-421-00	CARBON METAL METAL METAL METAL METAL METAL METAL	1 1K 1K 1K 1K	1% 1% 1% 1%	1/2W 1/4W 1/4W 1/4W 1/4W	g P (1) sub-
R983 1-249-431-11 R984 1-214-960-00 R985 1-214-960-00 R986 1-214-960-00 R987 1-215-421-00	METAL . 3 METAL 3 METAL 3 METAL 1	3.9 1% 3.9 1% 3.9 1% 1K 1%	1/4W 1/2W 1/2W 1/2W 1/4W			1-215-421-00 1-215-421-00 1-215-421-00 1-214-792-00 1-215-469-00 1-215-443-00	METAL METAL METAL METAL	1K 1K 1 100K	1% 1% 1% 1% 1%	1/4W 1/4W 1/2W 1/4W 1/4W	
R988 1-215-421-00 R989 1-215-421-00 R990 1-215-421-00 R991 1-215-421-00 R992 1-215-421-00 R993 1-249-429-11	METAL 1 METAL 1 METAL 1 METAL 1		1/4W 1/4W 1/4W 1/4W 1/4W		R1757 R1758 R1759 R1760	1-215-437-00 1-215-437-00	METAL METAL CARBON CARBON	4.7K 4.7K 100 6.8K 1.5K		1/4W 1/4W 1/4W 1/4W 1/4W	
R994 1-249-429-11 R995 1-215-457-00 R999 1-215-455-00 R1701 1-249-411-11	CARBON 1 METAL 3 METAL 2 CARBON 3	10K 5% 33K 1% 27K 1% 330 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R1762 R1763 R1764	1-249-415-11 1-215-445-00 1-249-427-11 1-249-419-11 1-249-427-11		10K 6.8K 1.5K 1.5K 6.8K		1/4W 1/4W 1/4W 1/4W 1/4W	
R1702 1-249-427-11 R1703 1-249-427-11 R1704 1-249-411-11 R1705 1-249-411-11 R1706 1-249-427-11 R1707 1-249-411-11	CARBON 3 CARBON 6	6.8K 5% 330 5% 330 5% 6.8K 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R1767 R1768 R1769 R1770 R1771	1-249-427-11 1-249-439-11 1-215-445-00 1-247-807-31 1-247-807-31		6.8K 68K 10K 100		1/4W 1/4W 1/4W 1/4W 1/4W	
R1708	CARBON 6 CARBON 6 CARBON 3 CARBON 3	6.8K 5% 6.8K 5% 330 5% 330 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R1772 R1773 R1774 R1775 R1776	1-215-429-00 1-215-429-00 1-215-421-00 1-249-429-11 1-215-421-00	METAL METAL METAL CARBON	2.2K 2.2K 1K 10K 1K	1% 1% 1% 5% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
R1713 A 1 - 215 - 886 + 71 R1714	METAL UXIDE	6.8K 5% 100 5% 330 5% 330 5% 100 5%	2W 1/4W 1/4W		R1777 R1778 R1779 R1779	1-249-423-11 1-215-421-00 1-215-898-71 1-214-960-00 1-214-960-00	CARBON METAL METAL OXIDE METAL	3.3K	5%	1/4W 1/4W 2W 1/2W 1/2W	
R1718 1-249-417-11 R1719 1-214-792-00 R1720 1-249-411-11 R1721 1-249-417-11 R1722 1-249-411-11	CARBON 1 METAL 1 CARBON 2 CARBON 1	1K 5% 1 1% 330 5% 1K 5%	1/4W 1/2W 1/4W 1/4W		R1782 R1783 R1784 R1785		METAL OXIDE METAL METAL METAL OXIDE	10K 3.9 3.9		2W 1/2W 1/2W 2W 1/2W	P. P. C.
RÎ723	CARBON METAL OXIDE	1K 5%	1/4W 2W		R1787		METAL	3.9 22K	1% 5%	1/2W 1/4W	



REF.NO. PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R1789 1-249-441-11 R1790 1-249-433-11 R1791 1-249-429-11 R1792 1-215-445-00 R1793 1-247-807-31	CARBON CARBON CARBON MBTAL CARBON	100K 22K 10K 10K 10O	5% 5% 1% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R1873 R1874 R1875 R1876 R1877	1-215-437-00 1-215-437-00 1-215-437-00 1-215-437-00 1-215-437-00 1-215-437-00 1-215-437-00 1-215-475-00 1-215-475-00 1-215-445-00 1-215-453-00	METAL METAL METAL METAL METAL	4.7K 4.7K 4.7K 4.7K 4.7K		1/4W 1/4W 1/4W 1/4W 1/4W	
R1794 1-215-429-00 R1795 1-249-433-11 R1796 1-247-807-31 R1797 1-249-429-11 R1798 1-249-423-11	METAL CARBON CARBON CARBON CARBON	2.2K 22K 100 10K 3.3K	1% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R1878 R1879 R1880 R1882 R1883	1-215-475-00 1-215-475-00 1-215-475-00 1-215-445-00 1-215-453-00 1-215-397-00	METAL METAL METAL METAL METAL METAL	4.7K 180K 180K 180K 10K 22K	1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
R1800 1-247-807-31 R1801 1-215-439-00 R1802 1-215-439-00 R1803 1-215-439-00 R1805 1-215-439-00	CARBON METAL METAL METAL METAL CARBON	100 5.6K 5.6K 5.6K 5.6K	5% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W		R1884 R1885 R1886 R1887 R1889	1-215-397-00 1-215-445-00 1-215-455-00 1-215-397-00 1-215-457-00 1-215-449-00	METAL METAL METAL METAL METAL METAL	100 10K 27K 100 33K	1% 1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
R1806 1-247-807 31 R1807 1-247-807-31 R1808 1-214-792-00 R1809 1-214-792-00 R1810 1-214-792-00 R1811 1-214-792-00	CARBON METAL METAL METAL METAL	100 100 1 1 1	5% 1% 1% 1%	1/4W 1/2W 1/2W 1/2W 1/2W		R1892 R1894 R1895 R1896 R1897	1-215-445-00 1-215-429-00 1-215-445-00 1-215-445-00 1-215-445-00	METAL METAL METAL METAL METAL METAL	10K 2.2K 10K 10K 10K		1/4W 1/4W 1/4W 1/4W 1/4W 1/4W	
R1812 1-214-792-00 R1813 1-214-792-00 R1814 1-249-431-11 R1815 1-247-885-00 R1816 1-249-431-11	METAL METAL CARBON CARBON CARBON	1 1 15K 180K 15K	1% 1% 5% 5%	1/2W 1/2W 1/4W 1/4W 1/4W		R1898 R1899 R1900 R1901 R1901	1-215-445-00 1-215-421-00 1-215-429-00 1-215-449-00 1-215-445-00	METAL METAL METAL METAL METAL	10K 1K 2.2K 15K 10K	1 % 1 % 1 % 1 % 1 %	1/4W 1/4W 1/4W 1/4W 1/4W	
R1817	CARBON CARBON METAL METAL METAL	180K 100 4.7K 4.7K	5% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W		R1903 R1904 R1905 R1906 R1907	1-215-445-00 1-215-445-00 1-215-445-00 1-215-429-00 1-215-445-00	METAL METAL METAL METAL METAL	10K	1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
R1822 1-215-445-00 R1823 1-215-445-00 R1824 1-215-433-00 R1825 1-215-433-00 R1826 1-215-433-00	METAL	3.3K	1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W		R1908 R1909 R1910 R1911 R1916	1-215-445-00 1-215-445-00 1-215-445-00 1-215-445-00 1-215-445-00 1-215-445-00 1-215-423-00 1-215-423-00 1-215-445-00 1-215-445-00 1-215-429-00 1-215-429-00 1-215-421-00 1-215-421-00 1-215-421-00 1-215-421-00	METAL METAL METAL METAL METAL	10K 10K 10K 22K 1.2K	1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
R1828 1-215-445-00 R1829 1-249-434-11 R1830 1-249-434-11 R1831 1-247-807-31	METAL Carbun Carbon		1% 1% 5% 5%	1/4W 1/4W 1/4W 1/4W		R1920 R1921 R1922 R1924 R1925	1-215-453-00 1-215-445-00 1-215-445-00 1-215-429-00 1-215-429-00	METAL METAL METAL METAL METAL	22K 10K 10K 2.2K 2.2K	1% 1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
R1832 1-215-471-00 R1833 1-215-471-00 R1834 1-215-471-00 R1835 1-215-437-00 R1836 1-215-437-00	METAL METAL METAL METAL	120K 4.7K 4.7K	1.6	1/4W		R1926 R1927 R1928 R1929 R1930	1-215-429-00 1-215-445-00 1-215-421-00 1-215-445-00 1-215-397-00	METAL METAL METAL METAL METAL	2.2K 10K 1K 10K 100	1% 1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W 1/4W	
R1837 1-215-421-00 R1838 1-249-431-11 R1839 1-249-431-11 R1858 1-215-445-00 R1859 1-215-445-00 R1860 1-215-397-00	METAL CARBON CARBON METAL METAL	1 K 1 5 K 1 5 K 1 0 K 1 0 K 1 0 0	1% 5% 5% 1%	1/4W 1/4W 1/4W 1/4W 1/4W		R1931 R1932 R1933 R1934 R1935	1-215-397-00 1-215-453-00 1-215-453-00 1-215-429-00 1-247-881-00	METAL METAL METAL METAL CARBON	100 22K 22K 2.2K 120K	1% 1% 1% 1% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R1861 1-215-453-00 R1862 1-215-453-00 R1863 1-215-397-00 R1864 1-215-437-00	METAL METAL METAL METAL	22K 22K 100 4.7K	1% 1% 1%	1/4W 1/4W 1/4W				IABLE RESISTO		1%	1/4W	
R1865 1-215-453-00 R1866 1-215-453-00 R1867 1-215-437-00 R1868 1-215-469-00 R1869 1-215-445-00	METAL METAL METAL METAL METAL	22K 22K 4.7K 100K	1% 1% 1% 1%	1/4W 1/4W 1/4W 1/4W		RV901 RV902 RV903 RV904 RV905	1-241-765-11 1-241-765-11 1-241-765-11 1-241-765-11 1-241-765-11	RES, ADJ, CAI RES, ADJ, CAI RES, ADJ, CAI RES, ADJ, CAI RES, ADJ, CAI	RBON 22 RBON 22 RBON 22	k K K		
R1870 1-215 445-00 R1871 1-215-445-00 R1872 1-215-437-00	MEľAL Mftal	10K 10K 4.7K	1% 1% 1% 1%	1/4W 1/4W 1/4W		RV906 RV907 RV908	1-241-765-11 1-241-765-11 1-241-765-11	RES, ADJ, CAI RES, ADJ, CAI RES, ADJ, CAI	RBON 22	2K		

KP-46S55/53S55 RM-Y125



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO. PART NO. DESCRIPTION REMARK
RV909 1-241-765-11 RV910 1-241-765-11 RV911 1-241-628-11 RV912 1-241-765-11 RV913 1-241-769-11	RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 2.2K RES, ADJ, CARBON 22K RES, ADJ, CARBON 470K		RV975 1-241-765-11 RES, ADJ, CARBON 22K RV976 1-241-765-11 RES, ADJ, CARBON 22K RV977 1-241-765-11 RES, ADJ, CARBON 22K RV978 1-241-765-11 RES, ADJ, CARBON 22K RV979 1-241-765-11 RES, ADJ, CARBON 22K RV979 1-241-765-11 RES, ADJ, CARBON 22K
RV914 1-241-630-11 RV915 1-241-630-11 RV916 1-241-765-11 RV917 1-241-765-11 RV918 1-241-765-11	RES, ADJ, CARBON 10K RES, ADJ, CARBON 10K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K		RV980 1-238-019-11 RES, ADJ, CARBON 47K RV981 1-241-765-11 RES, ADJ, CARBON 22K RV982 1-241-765-11 RES, ADJ, CARBON 22K
RV919 1-241-765-11 RV920 1-241-765-11 RV921 1-241-765-11 RV922 1-241-765-11 RV923 1-241-765-11	RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K		**************************************
RV924 1-241-765-11 RV925 1-241-765-11 RV926 1-241-765-11 RV927 1-241-765-11 RV928 1-241-630-11			<pre><capacitor> C1601 1-124-907-11 ELECT 10MF 20% 50V C1602 1-124-907-11 ELECT 10MF 20% 50V</capacitor></pre>
RV929 1-241-765-11 RV930 1-241-630-11 RV931 1-241-765-11 RV932 1-241-765-11 RV933 1-241-765-11	RES, ADJ, CARBON 10K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K		C1603 1-124-907-11 ELECT 10MF 20% 50V C1604 1-124-907-11 BLECT 10MF 20% 50V CONNECTOR>
RV934 1-241-765-11 RV935 1-241-765-11 RV936 1-241-765-11 RV937 1-241-630-11 RV938 1-241-630-11	RES, ADJ, CARBON 22K RES, ADJ, CARBON 10K		H1 *1-564-525-11 PLUG, CONNECTOR 10P H2 *1-564-517-11 PLUG, CONNECTOR 2P H16 *1-564-521-11 PLUG, CONNECTOR 6P <diode></diode>
RV939 1-241-630-11 RV940 1-241-765-11 RV941 1-241-765-11 RV942 1-241-765-11 RV943 1-241-765-11	RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K		D1601 8-719-812-41 DIODE TLR124 D1602 8-719-812-41 DIODE TLR124 D1603 8-719-108-12 DIODE RD9.1EW D1604 8-719-108-12 DIODE RD9.1EW D1605 8-719-108-12 DIODE RD9.1EW
RV944 1-241-765-11 RV945 1-241-765-11 RV946 1-241-765-11 RV947 1-241-765-11 RV948 1-241-765-11	RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K		<1C> IC1601 8-741-810-09 IC SBX1810-09
RV949 1-241-765-11 RV950 1-241-765-11 RV951 1-241-765-11 RV952 1-241-765-11 RV953 1-241-765-11	RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K		<pre><jack> J1601 1-565-839-11 PIN JACK BLOCK 3P</jack></pre>
RV954 1-241-765-11 RV956 1-241-765-11 RV957 1-249-417-11 RV958 1-241-765-11 RV959 1-241-765-11	RES, ADJ, CARBON 22K CARBON 1K 5% RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K	1/4W	R1601 1-249-430-11 CARBON 12K 5% 1/4W R1602 1-249-425-11 CARBON 4.7K 5% 1/4W R1603 1-249-421-11 CARBON 2.2K 5% 1/4W R1604 1-249-419-11 CARBON 1.5K 5% 1/4W R1606 1-247-807-31 CARBON 100 5% 1/4W
RV961 1-241-765-11 RV962 1-241-765-11 RV963 1-241-765-11 RV964 1-241-765-11 RV965 1-241-765-11	RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K		R1607 1-247-807-31 CARBON 100 5% 1/4W R1608 1-249-411-11 CARBON 330 5% 1/4W R1609 1-249-411-11 CARBON 330 5% 1/4W R1610 1-247-804-11 CARBON 75 5% 1/4W
RV966 1-241-765-11 RV967 1-241-765-11 RV968 1-241-765-11	RES, ADJ, CARBON 22K		<switch></switch>
RV969 1-241-765-11 RV970 1-241-765-11	RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K		\$1601 1-571-731-11 SWITCH, TACTIL \$1602 1-571-731-11 SWITCH, TACTIL \$1603 1-571-731-11 SWITCH, TACTIL
RV971 1-241-765-11 RV972 1-241-765-11 RV973 1-241-765-11	RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K		S1604 1-571-731-11 SWITCH, TACTIL S1605 1-571-731-11 SWITCH, TACTIL S1606 2418-571-731-11 SWITCH, TACTIL
RV974 1-241-765-11	RES, ADJ, CARBON 22K		S1606 <u>A</u> 1-571-731-21 SWITCH, TACTIL



									- 1			
REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTIO	N -			REMARK
S1607	1-571-731-11	SWITCH, TACTIL				;	*A-1373-463-A	V BOARD, CO				
*****	**********	***********	*******	*******	*******	İ						
	*A-1373-461-A	UT BOARD, COPM				 		ACITOR>				
						C1552	1-124-122-11 1-124-122-11		100MF 100MF	20 20	12 5	50V 50V
	<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td>C1553</td><td>1-102-824-00 1-102-824-00</td><td>CERAMIC</td><td>470PF 470PF</td><td>5% 5% 5%</td><td></td><td>50V 50V</td></cap<>	ACITOR>				C1553	1-102-824-00 1-102-824-00	CERAMIC	470PF 470PF	5% 5% 5%		50V 50V
	1-164-096-11 1-126-233-11		0.01MF 22MF	20%	50V 25V		1-130-483-00		0.01MF	5%	<u> </u>	50 V
C1160	1-126-233-11	ELECT 2	22MF 22MF	20% 20%	25V 25V	C1556 C1557	1-130-483-00 1-102-824-00	MYLAR	0.01MF 470PF	5% 5%	<u> </u>	50 V 50 V
	1-126-233-11 1-124-903-11		LMF	20%	50V	L C1558	1-102-824-00	CERAMIC	470PF	5% 5% 5% 5%		50 V
	1-124-903-11		LMF	20%	50V		1-102-824-00 1-102-824-00		470PF 470PF	5% 5%	<u> </u>	50 V 50 V
C1167 C1168	1-124-903-11 1-124-903-11	ELECT 1	LMF LMF	20% 20%	50V 50V	C1561	1-130-483-00	MYLAR	0.01MF	5%	<u>'</u>	50V
						C1562 C1563	1-130-483-00 1-130-483-00	MYLAR Mylar	0.01MF 0.01MF	5% 5% 5%		50V 50V
	<coni< td=""><td>NECTOR></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></coni<>	NECTOR>										
UT22	*1-565-928-11 *1-566-641-11	CONNECTOR (TUR	B) 30P	18P			<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td></td></con<>	NECTOR>				
UT35	*1-564-518-11	PLUG, CONNECTO	DR 3P	101		V22	1-573-300-11	CONNECTOR,	BOARD TO	BOARD	18P	
	<010>	DE>					<10>					
		DIODE RD13ESB	2				8-759-145-58		;			
D1163 D1164		DIODE RD13ESB; DIODE RD13ESB;	2			101552	8-759-912-77	1C LM324N				
D1165 D1166	8-719-110-36 8-719-110-36	DIODE RD13ESB					<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td></td></tra<>	NSISTOR>				
D1167		DIODE RD13ESB				Q1551	8-729-231-60	TRANSISTOR	2SD1406-Y	'GR		
D1168 D1169	8-719-110-36 8-719-110-36	DIODE RD13ESB DIODE RD13ESB	2			Q1552 Q1553	8-729-231-60	TRANSISTOR TRANSISTOR	2SD1406-Y	'GR		
D1170	8-719-110-36	DIODE RD13ESB	2			Q1554 Q1555	8-729-141-83 8-729-231-60	TRANSISTOR TRANSISTOR	2SB1094-L 2SD1406-Y	.K 'GR		
	<jac< td=""><td>K></td><td></td><td></td><td></td><td>Q1556</td><td>8-729-141-83</td><td>TRANSISTOR</td><td>2SB1094-L</td><td>.K</td><td></td><td></td></jac<>	K>				Q1556	8-729-141-83	TRANSISTOR	2SB1094-L	.K		
J1004	1-573-970-11 1-764-890-11	TERMINAL BLOC	K, S 3P				<res< td=""><td>ISTOR></td><td></td><td></td><td></td><td></td></res<>	ISTOR>				
J1008	1-573-969-11	JACK BLOCK, P	IN			R1540	1-215-445-00	METAL	10K		1/4W	
	<res< td=""><td>ISTOR></td><td></td><td></td><td></td><td>R1542</td><td>1-215-445-00 1-215-445-00</td><td>METAL</td><td>10K</td><td>1%</td><td>1/4W 1/4W</td><td></td></res<>	ISTOR>				R1542	1-215-445-00 1-215-445-00	METAL	10K	1%	1/4W 1/4W	
R1164	1-247-895-00	CARBON	470K 5%	1/4W			1-215-445-00 1-215-423-00	METAL Metal	10K 1.2K		1/4W 1/4W	
R1165 R1174	1-247-895-00 1-247-895-00	CARBON CARBON	470K 5% 470K 5% 470K 5%	(1/4W (1/4W		R1553	1-249-417-11	CARBON	1 K	5%	1/4W	
R1175 R1176		CARBON CARBON	470K 5% 470K 5% 75 5%	(1/4W (1/4W	1	R1554	1-215-445 00 1-215-375-00	METAL Metal	10K 12	1%	1/4W 1/4W	
R1178	1-247-895-00	CARBON	470K 5%			R1556	1-215-375-00 1-215-375-00	METAL METAL	12 12	1%	1/4W 1/4W	
R1179 R1180	1-247-895-00	CARBON CARBON	470K 5%	1/4W 1/4W	1	R1558	1-215-445-00	METAL	10K		1/4W	
R1181	1-247-804-11	CARBON	75 5%	6 1/4W	}	R1559	1-215-445-00	METAL	10K	12	1/4W 1/4W	
R1188	1-247-804-11	CARBON	75 5%			R1560	1-215-445-00 1-215-423-00	METAL METAL	10K 1.2K	1%	1/4W	
R1191 R1192	1-249-425-11 1-249-425-11	CARBON CARBON	4.7K 5% 4.7K 5%	K 1/4W)	R1562	1-215-423-00	METAL	1.2K		1/4W	
R1193 R1194		CARBON CARBON	4.7K 5% 4.7K 5%	6 1/4W 6 1/4W		R1563	1-215-445-00 1-249-417-11	METAL Carbon	10K 1K	1% 5% 1%	1/4W 1/4W	
R1196	1-249-429-11	CARBON	10K 5%	K 1/4W	J	R1565 R1566		METAL Metal	10K 12	1%	1/4W 1/4W	
	<\$\wi	TCH>				R1567	1-215-375-00	METAL	12		1/4W	
S1150	1-571-731-11	SWITCH, TACTI	!L			R1568	1-215-375-00 1-215-445-00 1-215-445-00	METAL METAL	12 10K	1% 1%	1/4W 1/4W	
****	*********	*******	******	*******	*******		1-249-417-11	CARBON	10K 1K	1% 5%	1/4W 1/4W	
						R1572	1-215-445-00	METAL	10K	1%	1/4W	



Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R1573 1-215-375-00 R1574 1-215-375-00 R1575 1-215-375-00	METAL 1	12 1% 12 1% 12 1% 10K 1%	1/4W 1/4W 1/4W		C805 C806	1-102-030-00 1-130-495-00	CERAMÍC MYLAR	330PF 0.1MF	10% 5%	500V 50V
R1576 1-215-445-00 R1577 1-215-445-00	METAL I	10K 1%	1/4W 1/4W		C807 C808 C809	1-124-667-11 1-126-183-11 1-124-903-11	ELECT ELECT	10MF 1000MF 1MF	20% 20% 20%	50V 16V 50V
R1579 1-249-417-11 R1580 1-249-417-11	CARBON 1 CARBON 1	1K 5% 1K 5% 1K 5% 18K 5%	1/4W 1/4W 1/4W		C810 C811	1-124-903-11 1-124-902-00		1MF 0.47MF	20% 20%	50V 50V
R1581 1-249-432-11 R1582 1-249-432-11	CARBON 1	18K 5%	1/4W 1/4W :*****	******	C812 C813 C814 C815 C816	1-102-973-00 1-102-244-00 1-106-391-12 1-106-367-00 1-124-907-11	CERAMIC Mylar Mylar	100PF 220PF 0.1MF 0.01MF 10MF	5% 10% 10% 10% 20%	50V 500V 200V 200V 50V
*A-1390-412-A	ZR BOARD, COMPL	LETE ****			C817 C818	1-124-119-00 1-102-824-00	ELECT	330MF 470PF	20% 5% 20%	16V 50V
	NECTOR>				C819 C820 C821	1-124-907-11 1-124-907-11 1-124-907-11	ELECT	10MF 10MF 10MF	20% 20% 20%	50V 50V 50V
ZR1 *1~564~522~11 ZR2 *1~691~292~11	PLUG, CONNECTOR PIN, CONNECTOR	R 7P (PC BOAF	ID) 3P		C822 C823	1-104-792-51 1-124-907-11	RLECT	33MF 10MF	20% 20%	16V 50V
	ISTOR>	F(0 FW	1 /41)		C824 C825 C826	1-104-792-51 1-104-792-51 1-124-907-11	ELECT ELECT ELECT	33MF 33MF 10MF	20% 20% 20%	16V 16V 50V
R1903 1-249-414-11 R1904 1-249-414-11	CARBON	560 5% 560 5%	1/4W 1/4W	*****	C827 C828 C829	1-124-907-11 1-124-907-11 1-104-792-51	ELECT ELECT ELECT	10MF 10MF 33MF	20% 20% 20%	50V 50V 16V
	ZG BOARD, COMPI	LETE			C830 C831	1-124-907-11 1-106-220-00	ELECT Mylar	10MF 0.1MF	20% 10%	50V 100V
<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td>C832 C833 C834</td><td>1-124-907-11 1-124-916-11 1-130-487-00</td><td>ELECT ELECT Mylar</td><td>10MF 22MF 0.022MF</td><td>20% 20% 5%</td><td>50V 50V 50V</td></con<>	NECTOR>				C832 C833 C834	1-124-907-11 1-124-916-11 1-130-487-00	ELECT ELECT Mylar	10MF 22MF 0.022MF	20% 20% 5%	50V 50V 50V
7.G2 1-564-523-11	PLUG, CONNECTOR	R 8P (PC BOAI	RD) 3P		C835 C836	1-124-927-11 1-130-475-00	ELECT MYLAR	4.7MF 0.0022MF	20 % 5%	50 V 50 V
	ISTOR>				C837 C838 C839	1-136-169-00 1-130-475-00 1-102-106-00	MYLAR CERAMIC	0.22MF 0.0022MF 100PF	5% 5% 10%	50V 50V 50V
R1913 1-249-414-11 R1914 1-249-414-11		560 5% 560 5%	1/4W 1/4W		C842	\$\frac{1}{1} = 136 = 807 = 11 1 = 130 = 471 = 00	MYLAR	0.018MF 0.001MF	5% 5%	17.6KV 50V 50V
***********			******	*******	C850 C851 C852 C853	1-136-169-00 1-124-907-11 1-124-907-11 1-106-220-00	ELECT	0.22MF 10MF 10MF 0.1MF	20% 20% 10%	50V 50V 50V 100V
*A-1390~414~A	ZB BOARD, COMP				C854	1-100-220-00 1-104-793-51 1-126-804-11	ELECT	470MF 100MF	20% 20%	50V 50V
	NNECTOR> Plug, connecto	IR OD			C856 C858 C888	1-162-114-00 1-124-119-00 1-124-903-11	CERAMIC ELECT	0.0047MF 330MF 1MF	20% 20% 20%	2KV 16V 50V
ZB20 *1-691-292-11	PIN, CONNECTOR	(PC BOA	RD) 3P				NNECTOR>		2070	30.
_	SISTOR>		1		N1	1-506-348-99	PIN. CONNEC	TOR 3P		
R1923 1-249-414-11 R1924 1-249-414-11	CARBON	560 5% 560 5% ******		:*****	N2 N3 N4 * N5	*1-564-508-11 1-508-765-00 *1-564-507-11 *1-564-508-11	PIN, CONNEC PLUG, CONNE	TOR (5MM PIT CTOR 4P	CH) 3P	
*A-1390-415-A	N BOARD, COMPL	LETE			N7	1-508-765-00		TOR (5MM PIT	CH) 3P	
4-382-854-11	**************************************		+)		N8 N9 N10 N16	1-508-766-00 1-506-348-99 *1-564-511-11 1-508-786-00	PIN, CONNEC	TOR 3P		
	PACITOR>				N20 N21	*1-560-126-00 *1-560-123-00	PLUG, CONNE PLUG, CONNE	CTOR (2.5MM) CTOR (2.5MM)	6P 3P	
C801 1-123-024-21 C803 1-136-729-11 C804 1-106-383-00	FILM 1	33MF 1.5MF 0.047MF	5%	160V 400V 200V	N30 N851 N853	1-508-784-00 *1-506-371-00 *1-506-371-00	PIN, CONNEC PIN, CONNEC	TOR (5MM PIT TOR 2P	'CH) 1P	

The components identified by shading and mark are critical for safety
Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie,



REF.NO. PART NO.	DESCRIPTION			PART NO.	DESCRIPTION		REMARK
<010	DB>		R801 4 R802 4 R803 4 R804	1-216-378-71 1-247-799-91 1-215-869-71 1-249-429-11	METAL OXIDE CARBON METAL OXIDE CARBON	47 96 18 52	1/4W 1/4W
D802 8-719-302-43 D803 8-719-109-85 D804 8-719-911-19	DIODE ERD28-08S DIODE EL1Z DIODE RD5.1ESB2 DIODE 1SS119 DIODE 1SS119		R805 R806 R807 R808 R808	1-249-423-11	CARBON CARBON CARBON CARBON	3.3K 5% 4.7K 5% 100K 5%	1/4W 1/4W 1/4W 1/4W 1/4W
D806 8-719-109-85 D807 8-719-109-85 D808 8-719-911-19 D809 8-719-911-19 D810 8-719-911-19	DIODE RD5.1ESB2 DIODE RD5.1ESB2 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		R810 R811 R812 R813 A		CARBON CARBON CARBON CARBON METAL OXIDE	100K 5%	1/4W 1/4W 1/4W F 3W F 1/4W
D812 8-719-911-19 D813 8-719-911-19 D814 8-719-911-19 D815 8-719-110-36	DIODE 1SS119 DIODE 1SS119 DIODE RD13ESB2		R815 R816 R817 R818 R818	1-249-415-11 1-214-777-00 1-215-471-00 1-215-471-00 1-215-450-00	CARBON	680 5% 100K 1% 120K 1% 120K 1% 16K 1%	1/4W 1/4W 1/4W 1/4W 1/4W
D851	DIODE 1SS119 DIODE RD3.9ESB1 DIODE V30N DIODE 1SS119 DIODE V30N DIODE RD18ESB2		R820 R821 R822 R823 R824 R825	1-215-451-00 1-249-423-11 1-249-433-11 1-249-429-11 1-215-469-00 1-215-453-00	METAL CARBON CARBON CARBON METAL METAL	18K 1% 3.3K 5% 22K 5% 10K 5% 100K 1% 22K 1%	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W
D892 8-719-110-49 <1C> 1C801 8-759-231-58	DIODE RD18ESB2		R826 R827 R828 R829	1-214-962-00 1-214-764-00 1-215-455-00 1-215-455-00		820K 1% 30K 1% 27K 1% 27K 1%	1/4W 1/4W 1/4W 1/4W 1/4W
1C802 8-759-103-93 1C803 8-759-503-91 1C804 8-759-103-93 1C805 8-759-100-75	IC TL082ACP IC UPC393C IC UPC1394C		R831 2 R832 R833 R834 R835	1-215-928-71 1-249-417-11 1-249-419-11 1-249-419-11 1-215-429-00	METAL OXIDE CARBON CARBON CARBON METAL	68K 5% 1K 5% 1.5K 5% 1.5K 5% 2.2K 1%	3W R 1/4W 1/4W 1/4W 1/4W
L802 1-409-570-11 L803 1-459-313-00 L803 1-459-313-00 L804 1-410-482-31	COIL, CHOKE 1.2MMH COIL WITH CORE (HWC) COIL WITH CORE (HWC) INDUCTOR 1000H COIL, CHOKE 1.05MMH		R836 R837 R838 R839 R840	1-215-435-00 1-249-433-11 1-249-435-11 1-249-438-11 1-249-434-11	CARBON CARBON CARBON CARBON	3.9K 1% 22K 5% 33K 5% 56K 5% 27K 5%	1/4W 1/4W 1/4W 1/4W 1/4W
	ON LAMP>	:	R841 R842 R843 R844 R845	1-249-429-11 1-249-435-11 1-249-423-11 1-249-433-11 1-249-435-11	CARBON CARBON CARBON	10K 5% 33K 5% 3.3K 5% 22K 5% 33K 5%	1/4W 1/4W 1/4W 1/4W 1/4W
Q801 <u>A</u> 8-729-201-61 Q802 8-729-119-80			R846 R847 R848 R849 R850	1-249-429-11 1-214-761-00 1-215-429-00 1-215-421-00 1-215-429-00	METAL METAL METAL	10K 5% 22K 1% 2.2K 1% 1K 1% 2.2K 1%	1/4W 1/4W 1/4W 1/4W 1/4W
0803 8-729-119-76 0804 8-729-119-78 0805 8-729-119-78 0806 8-729-119-80 0807 8-729-119-78	TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2688-LK	ı	R851 X R852 R853 R854 R855	1-215-404-00 1-215-469-00 1-249-430-11 1-215-469-00	METAL METAL CARBON	200 1% 100K 1% 12K 5% 100K 1%	1/4W 1/4W 1/4W 1/4W 1/4W
0808 8-729-119-78 0811 A 8-729-016-32 0820 8-729-119-76 0851 8-729-119-78 0852 8-729-119-78	TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC4927-01 TRANSISTOR 2SA1175-HFE TRANSISTOR 2SC2785-HFE		{	1-249-430-11 1-249-433-11 1-249-413-11 1-249-435-11 1-249-441-11	CARBON CARBON CARBON CARBON	12K 5% 22K 5% 470 5% 33K 5% 100K 5%	1/4W 1/4W 1/4W 1/4W 1/4W
Q853 8-729-823-81			R861 R862 R863 R864	1-249-421-11 1-249-434-11 1-249-431-11 1-249-428-11	CARBON CARBON CARBON	2.2K 5% 27K 5% 15K 5% 8.2K 5%	1/4W 1/4W 1/4W 1/4W

The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation Should replacement be required, replace only with the value originally used



Les composants identifies par une trame et une marque A sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie. The components identified by shading and mark A are critical for safety Replace only with part number specified.

R865
R872 1-249-423-11 CARBON 3.3K 5% 1/4W C1051 1-124-902-00 ELECT 0.47MF 20% 50V R873 1-249-431-11 CARBON 100K 5% 1/4W C1055 1-124-477-11 ELECT 47MF 20% 16V R875 1-249-421-11 CARBON 2.2K 5% 1/4W C1055 1-124-477-11 ELECT 1MF 20% 50V R876 1-215-426-00 MBTAL 1.6K 1% 1/4W C1055 1-124-499-11 ELECT 1MF 20% 50V R877 1-249-421-11 CARBON 33K 5% 1/4W C1056 1-124-499-11 ELECT 1MF 20% 50V R878 1-249-435-11 CARBON 100K 5% 1/4W R880 1-249-429-11 CARBON 10K 5% 1/4W R881 1-214-761-00 MBTAL 2.2K 1% 1/4W R882 1-249-433-11 CARBON 22K 5% 1/4W R883 1-249-433-11 CARBON 22K 5% 1/4W R884 1-249-438-11 CARBON 56K 5% 1/4W R885 1-249-438-11 CARBON 56K 5% 1/4W R886 1-249-438-11 CARBON 56K 5% 1/4W R886 1-249-438-11 CARBON 56K 5% 1/4W R886 1-249-438-11 CARBON 56K 5% 1/4W R886 1-249-417-11 CARBON 56K 5% 1/4W R887 1-215-397-00 MBTAL 100 1% 1/4W U16 1-564-513-11 PLUG, CONNECTOR, BOARD 18P U16 1-564-513-11 PLUG, CONNECTOR (RECEPTACLE) 30P U22 *1-565-930-11 CONNECTOR, HINGE (RECEPTACLE) 30P U22 *1-566-367-11 CONNECTOR, HINGE (RECEPTACLE) 30P U22 *1-566-367-11 CONNECTOR, HINGE (RECEPTACLE) 30P U22 *1-564-506-11 PLUG, CONNECTOR 3P R894 1-249-417-11 CARBON 1K 5% 1/4W R892 1-249-417-11 CARBON 1K 5% 1/4W R892 1-249-417-11 CARBON 1K 5% 1/4W R892 1-249-417-11 CARBON 1K 5% 1/4W R892 1-249-417-11 CARBON 1K 5% 1/4W R892 1-249-417-11 CARBON 1K 5% 1/4W R892 1-249-417-11 CARBON 1K 5% 1/4W R892 1-249-417-11 CARBON 1K 5% 1/4W R893 1-215-453-00 MBTAL 22K 1% 1/4W R895 1-202-731-00 SOLID 10M 20% 1/2W R896 1-260-111-111 CARBON 10K 5% 1/2W
R877
CONNECTOR R883 1-249-417-11 CARBON 1K 5% 1/4W R884 A 1-215-894-51 METAL OXIDE 2.2K 5% 1/4W R886 1-249-438-11 CARBON 56K 5% 1/4W R887 1-215-397-00 METAL 100 1% 1/4W R888 1-249-410-11 CARBON 270 5% 1/4W R890 1-249-417-11 CARBON 1K 5% 1/4W R890 1-249-417-11 CARBON 1K 5% 1/4W R890 1-249-417-11 CARBON 1K 5% 1/4W R893 1-215-453-00 METAL 22K 1% 1/4W R893 1-215-453-00 METAL 22K 1% 1/4W R894 1-249-401-11 CARBON 47 5% 1/4W R895 1-202-731-00 SOLID 10M 20% 1/2W R896 1-260-111-11 CARBON 10K 5% 1/2W R896 1-260-111-11 CARBON 10K 5% 1/2W CM1002 1-466-162-31 BLOCK, COM FILTER (CFB-4) CM1002 1-466-162-31 BLOCK, COM FILTER (CFB
R885 1-249-414-11 CARBON 566 5% 1/4W
R890 1-249-417-11 CARBON 1K 5% 1/4W F R892 1-249-417-11 CARBON 1K 5% 1/4W F R893 1-215-453-00 METAL 22K 1% 1/4W R894 1-249-401-11 CARBON 47 5% 1/4W R895 1-202-731-00 SOLID 10M 20% 1/2W R896 1-260-111-11 CARBON 10K 5% 1/2W
R893 1-215-453-00 METAL 22K 1% 1/4W
R895 1-202-731-00 SOLID 10M 20% 1/2W R896 1-260-111-11 CARBON 10K 5% 1/2W
R890 [-Z0U-111-11 CARBUN 1UK DA 1/ZW i
R903 1-247-735-11 SOLID 47 20% 1/2W <diode> R904 AA1-215-928-71 METAL OXIDE 68K 5% 3W F</diode>
D1005 8-719-110-35 D10DE RD13ESB1 D1009 8-719-110-35 D10DE RD13ESB1
<spark gap=""> D1010 8-719-110-35 D10DE RD13ESB1 SG801 1-519-422-11 GAP, SPARK D1011 8-719-110-35 D10DE RD13ESB1 D1017 8-719-110-35 D10DE RD13ESB1</spark>
<pre></pre>
T801 & 1-437-078-11 TRANSFORMER, HORIZONTAL DRIVE <1C>
T802 1-437-090-00 HDT T803 A 8-598-939-00 TRANSFORMER ASSY, FLYBACK (NX-2631//A4S) IC1002 8-752-067-28 IC CXA1545AS

*A-1394-534-A U BOARD, COMPLETE ************************* L1001 1-408-422-00 INDUCTOR 120UH L1002 1-408-422-00 INDUCTOR 120UH
<capacitor> <transistor></transistor></capacitor>
C1004 1-102-125-00 CERAMIC 0.0047MF 10% 50V C1005 1-124-903-11 ELECT 1MF 20% 50V Q1018 8-729-141-26 TRANSISTOR 2SC3622A-LK C1006 1-164-096-11 CERAMIC 0.01MF 50V Q1022 8-729-141-26 TRANSISTOR 2SC3622A-LK C1007 1-126-233-11 ELECT 22MF 20% 25V Q1023 8-729-119-78 TRANSISTOR 2SC2785-HFE C1008 1-126-233-11 ELECT 22MF 20% 25V Q1029 8-729-119-76 TRANSISTOR 2SA1175-HFE Q1032 8-729-119-76 TRANSISTOR 2SA1175-HFE
C1013 1-102-125-00 CERAMIC 0.0047MF 10% 50V Q1033 8-729-119-76 TRANSISTOR 2SA1175-HFE C1022 1-124-482-11 ELECT 33MF 20% 25V Q1033 8-729-119-76 TRANSISTOR 2SA1175-HFE C1026 1-164-048-11 CERAMIC 12PF 5% 50V C1027 1-164-048-11 CERAMIC 12PF 5% 50V
C1028 1-124-482-11 ELECT 33MF 20% 25V RESISTOR>
C1029 1-124-282-00 ELECT 22MF 20% 16V R1015 1-249-425-11 CARBON 4.7K 5% 1/4W C1030 1-124-478-11 ELECT 100MF 20% 25V R1026 1-249-425-11 CARBON 4.7K 5% 1/4W C1031 1-164-058-11 CERAMIC 33PF 5% 50V R1036 1-249-440-11 CARBON 82K 5% 1/4W C1033 1-126-233-11 ELECT 22MF 20% 25V R1037 1-249-440-11 CARBON 82K 5% 1/4W R1038 1-249-440-11 CARBON 82K 5% 1/4W R1038 1-249-440-11 CARBON 82K 5% 1/4W
C1034 1-124-282-00 ELECT 22MF 20% 16V R1057 1-249-441-11 CARBON 100K 5% 1/4W C1036 1-124-282-00 ELECT 22MF 20% 16V R1057 1-249-441-11 CARBON 100K 5% 1/4W



REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
R1061 1-249-409-11 R1062 1-249-441-11 R1063 1-249-409-11 R1066 1-215-437-00 R1067 1-215-437-00	CARBON 100K 5%	1/4W 1/4W 1/4W 1/4W 1/4W		I C3401 I C3402 I C3442	<1 C> 8-759-403-44 8-759-256-49 8-759-084-09	IC MN1280-S IC M37102M8-A IC Z8612812PS	12FP C	
R1071 1-249-431-11	CARBON 330 5%	1/4W 1/4W 1/4W 1/4W 1/4W	;	L3401 L3402	<011 1-408-421-00 1-408-421-00		100UH 100UH	
R1077 1-249-418-11 R1078 1-249-418-11 R1079 1-247-807-31 R1080 1-215-423-00 R1081 1-215-421-00	CARBON 1.2K 5% CARBON 1.2K 5% CARBON 100 5% METAL 1.2K 1% METAL 1K 1%	1/4W 1/4W 1/4W 1/4W 1/4W		Q3401 Q3402	<trai 8-729-120-28 8-729-120-28</trai 	NSISTOR> TRANSISTOR 2S TRANSISTOR 2S	C1623-L5L6 C1623-L5L6	
R1089 1-247-807-31 R1094 1-247-807-31 R1096 1-247-807-31 R1099 1-249-413-11 R1110 1-247-807-31	CARBON 100 5% CARBON 100 5% CARBON 100 5% CARBON 470 5% CARBON 100 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R3402	<res 1-216-049-00="" 1-216-073-00<="" td=""><td>METAL GLAZE</td><td>1K 5%</td><td>1/10W 1/10W 1/10W</td></res>	METAL GLAZE	1K 5%	1/10W 1/10W 1/10W
R1118 1-249-413-11 R1133 1-247-807-31 R1134 1-247-807-31 R1137 1-249-411-11 R1147 1-247-807-31	CARBON 470 5% CARBON 100 5% CARBON 100 5% CARBON 330 5% CARBON 100 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R3404 R3405 R3406 R3407	1-216-033-00 1-216-057-00 1-216-065-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 220 5% 2.2K 5% 4.7K 5% 220 5% 4.7K 5% 220 5% 10K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
RI148 1-247-807-31 R1149 1-249-417-11 R1150 1-247-807-31 R1151 1-247-807-31 R1152 1-249-417-11	CARBON 1K 5% CARBON 100 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R3409 R3420 R3421 R3422	1-216-033-00 1-216-073-00 1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 10K 5% 10K 5% 10K 5% 4.7K 5% 1K 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
	**************************************	******	******	R3425 R3426	1-216-049-00 1-216-033-00	METAL GLAZE METAL GLAZE	220 5%	1/10W 1/10W
	CASE (UPPER LID), SHIELI	D, P4		R3427 R3428 R3429 R3430 R3431	1-216-063-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.9K 5% 1K 5% 3.9K 5% 1K 5% 3.9K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
	ACITOR> CERAMIC CHIP 0.0022MF CERAMIC CHIP 0.01MF BLECT 47MF BLECT 33MF CERAMIC CHIP 0.1MF	10% 10% 20% 20%	50V 50V 16V 16V 25V	R3433 R3434 R3435 R3436	1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 10K 5% 10K 5% 10K 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W
C3475	ELECT 10MF FILM 0.1MF CERAMIC CHIP 560PF CERAMIC CHIP 0.1MF FILM 0.0033MF	20% 5% 5% 5%	16V 50V 50V 25V 50V	R3438 R3439 R3440 R3441	1-216-085-00 1-216-025-00 1-216-041-00 1-216-041-00 1-216-091-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 5% 470 5% 470 5% 56K 5%	1/10W 1/10W 1/10W 1/10W
C3480 1-136-495-11 C3481 1-126-157-11 C3482 1-163-121-00 C3483 1-126-157-11 C3484 1-163-038-00	FILM 0.068MF BLECT 10MF CBRAMIC CHIP 150PF BLECT 10MF CERAMIC CHIP 0.1MF	5% 20% 5% 20%	50V 16V 50V 16V 25V	R3442 R3451 R3458 R3474 R3476	1-216-069-00 1-216-041-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 5% 470 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W
<001	NECTOR>			1 112411			מ,כ ט	17 10#
\$47 *1-564-506-11 \$46 *1-564-506-11 \$43 *1-564-508-11 \$45 *1-564-511-11	PLUG, CONNECTOR 3P PLUG, CONNECTOR 3P PLUG, CONNECTOR 5P PLUG, CONNECTOR 8P			X3401	<cr) 1-577-358-21</cr) 	/STAL> VIBRATOR, CE	RAMI C	
				****	*********	*******	********	******

Les composants identifies par une trame et une marque A sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie. The components identified by shading and mark \triangle are critical for safety Replace only with part number specified.

REF.NO. PART NO.

DESCRIPTION

REMARK

MISCELLANEOUS

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↑ 1-241-744-11 RESISTOR ASSY (HIGH-VOLTAGE)

↑ 1-504-533-11 SPEAKER (16CM)

↑ 1-555-400-00 CABLE, PIN

↑ 1-561-306-00 JACK, PIN (F)

↑ 1-696-002-12 CORD, POWER(WITH NOISE FILTER) 7.0A/125V

↑ 8-451-441-11 DEFLECTION YORE Y829PA

▼ 1 4 8-736-072-05 PICTURE TUBE 07MAB2(G)

▼ 1 4 8-736-074-05 PICTURE TUBE 07MAB2(R)
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ACCESSARIES AND PACKING MATERIALS

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3-754-297-21 INSTRUCTION
3-754-298-21 MANUAL, INSTRUCTION
3-754-298-31 MANUAL, INSTRUCTION
  (KP-46S55(CND)/53S55(CND))
3-754-298-41 MANUAL, INSTRUCTION
                                                           (KP-46S55(U)/53S55(U))
*4-030-895-01
*4-037-126-01
*4-037-127-01
                           INDIVIDUAL CARTON (KP-46S55)
                           TRAY (KP-46S55)
CUSHION (UPPER) (ASSY) (KP-46S55)
CUSHION (LOWER) (ASSY) (KP-46S55)
*4-037-128-01
*4-037-129-01
                           INDIVIDUAL CARTON (KP-53S55)
TRAY (KP-53S55)
CUSHION (UPPER) (ASSY) (KP-53S55)
CUSHION (LOWER) (ASSY) (KP-53S55)
*4-037-165-01
*4-037-166-01
*4-037-167-01
*4-037-168-01
*4-037-328-01
                           PLATE, TOP (KP-53S55)
                           PLATE, TOP (KP-46S55)
PLATE, BOTTOM (KP-46S55)
PLATE, BOTTOM (KP-53S55)
SHEET, PROTECTION (KP-46S55)
*4-037-674-01
*4-037-918-01
*4-038-043-03
 *4-041-423-01
                           BAG, PROTECTION (KP-46S55)
*4-041-425-01
*4-041-426-01 BAG, PROTECTION (KP-53S55)
*4-042-309-01 PALLET, CUSHION (KP-46S55)
*4-042-463-01 SHEET, PROTECTION (KP-53S55)
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REMOTE COMMANDER

1-467-653-11 REMOTE COMMANDER (RM-Y125) 9-903-826-01 COVER, BATTERY (FOR RM-Y125)